

FIG. 1

FIG. 2

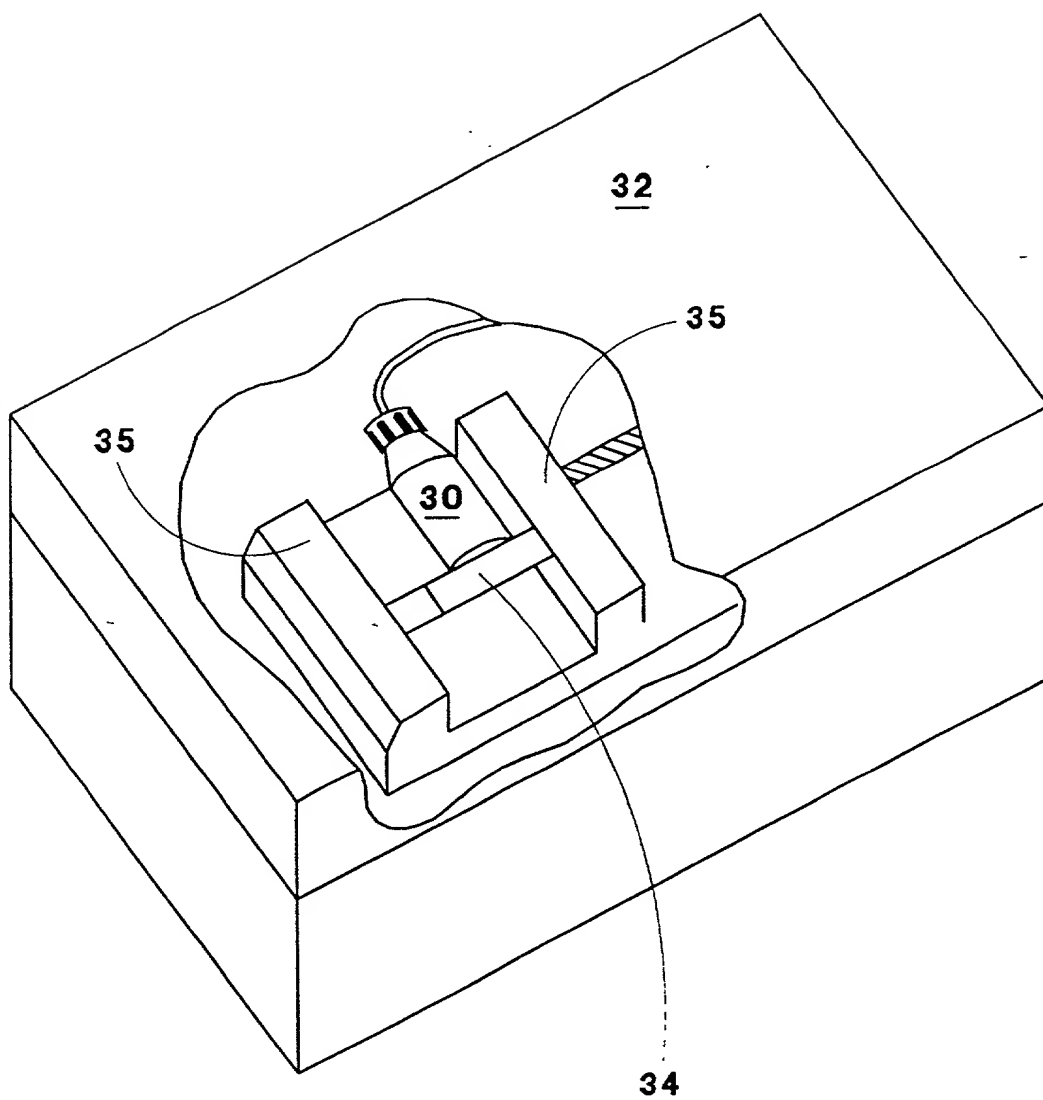


FIG. 2

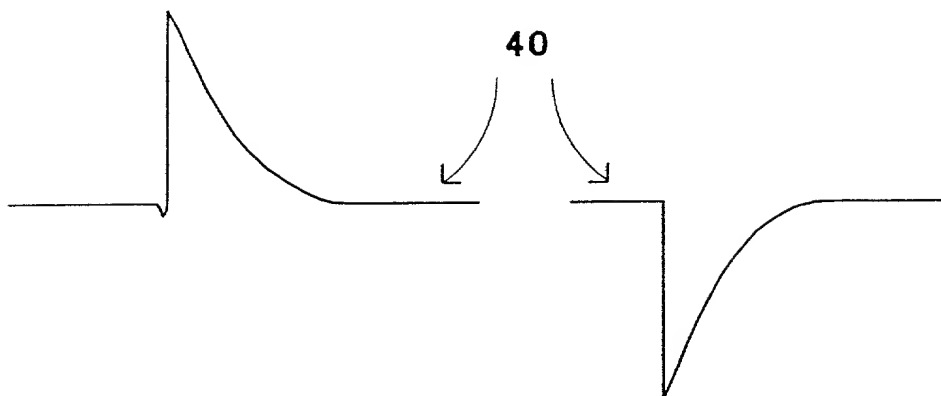


FIG. 3

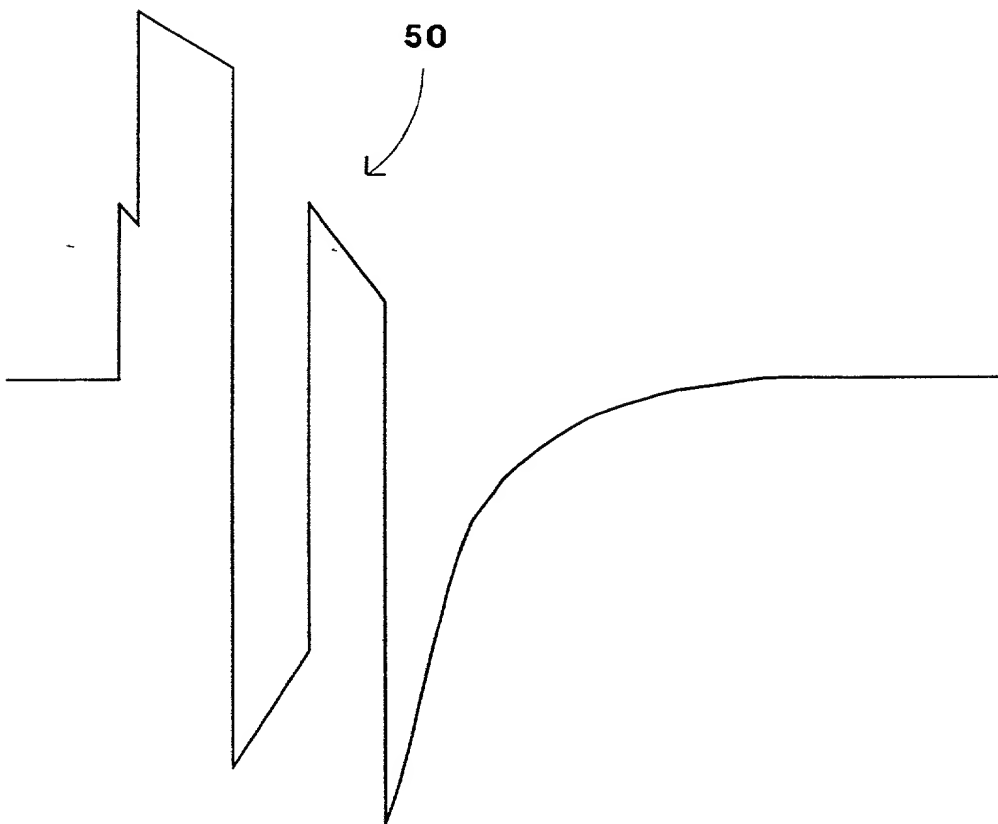


FIG. 4

0644391-000001

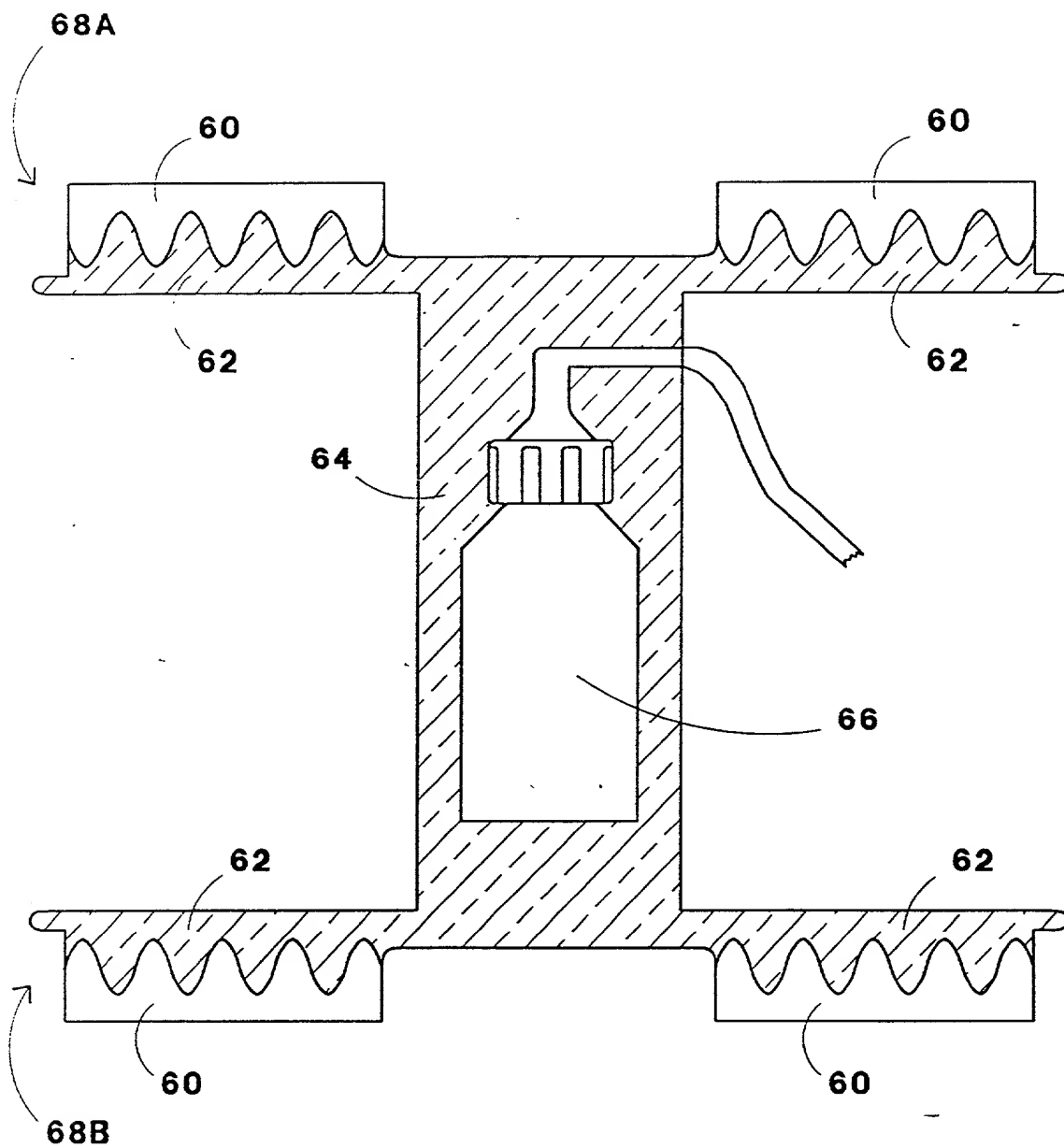


FIG. 5

0941391-08304
T08380 T6E4650

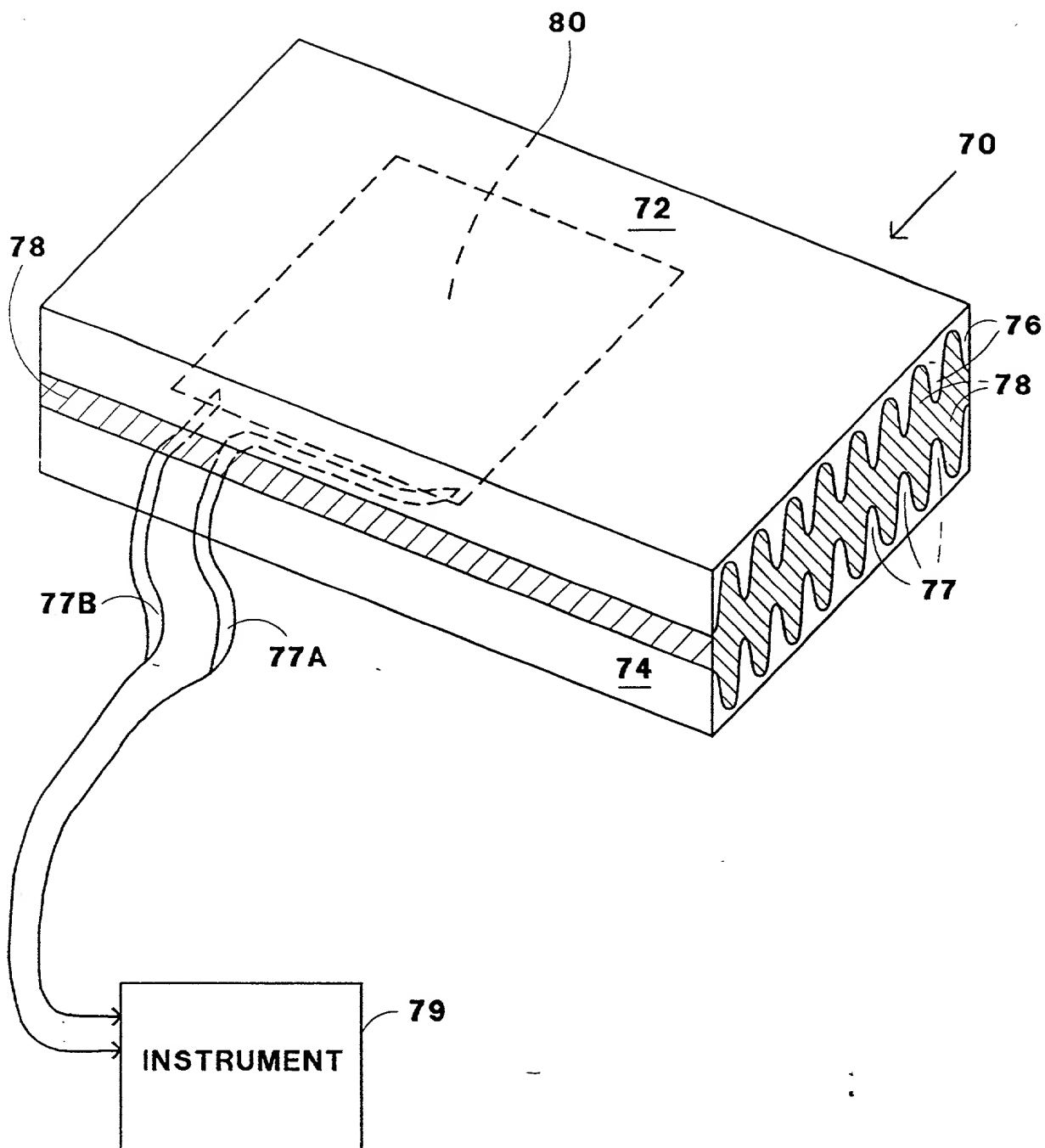


FIG. 6

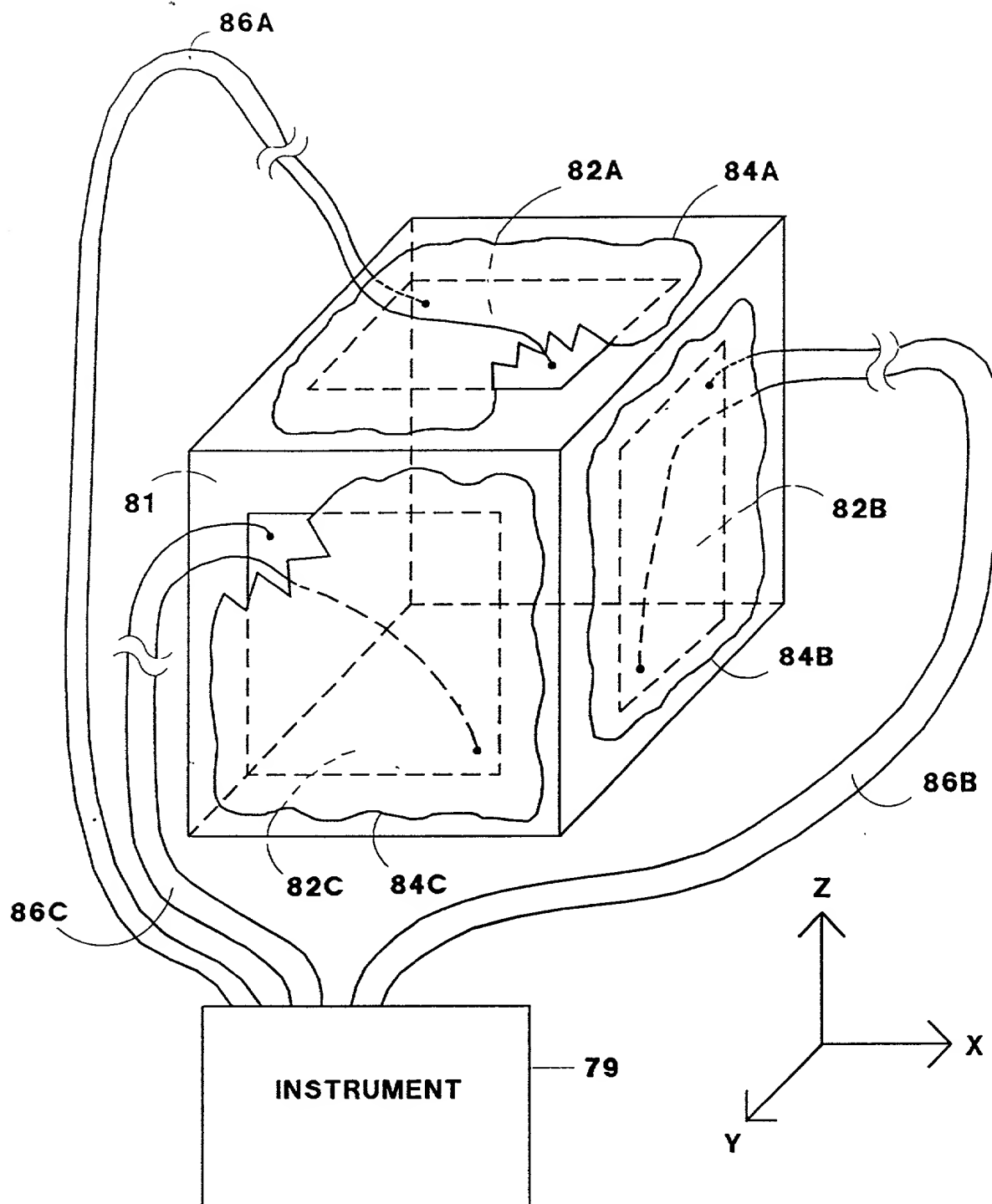


FIG. 7

054431.082801
T03280 T5E4650

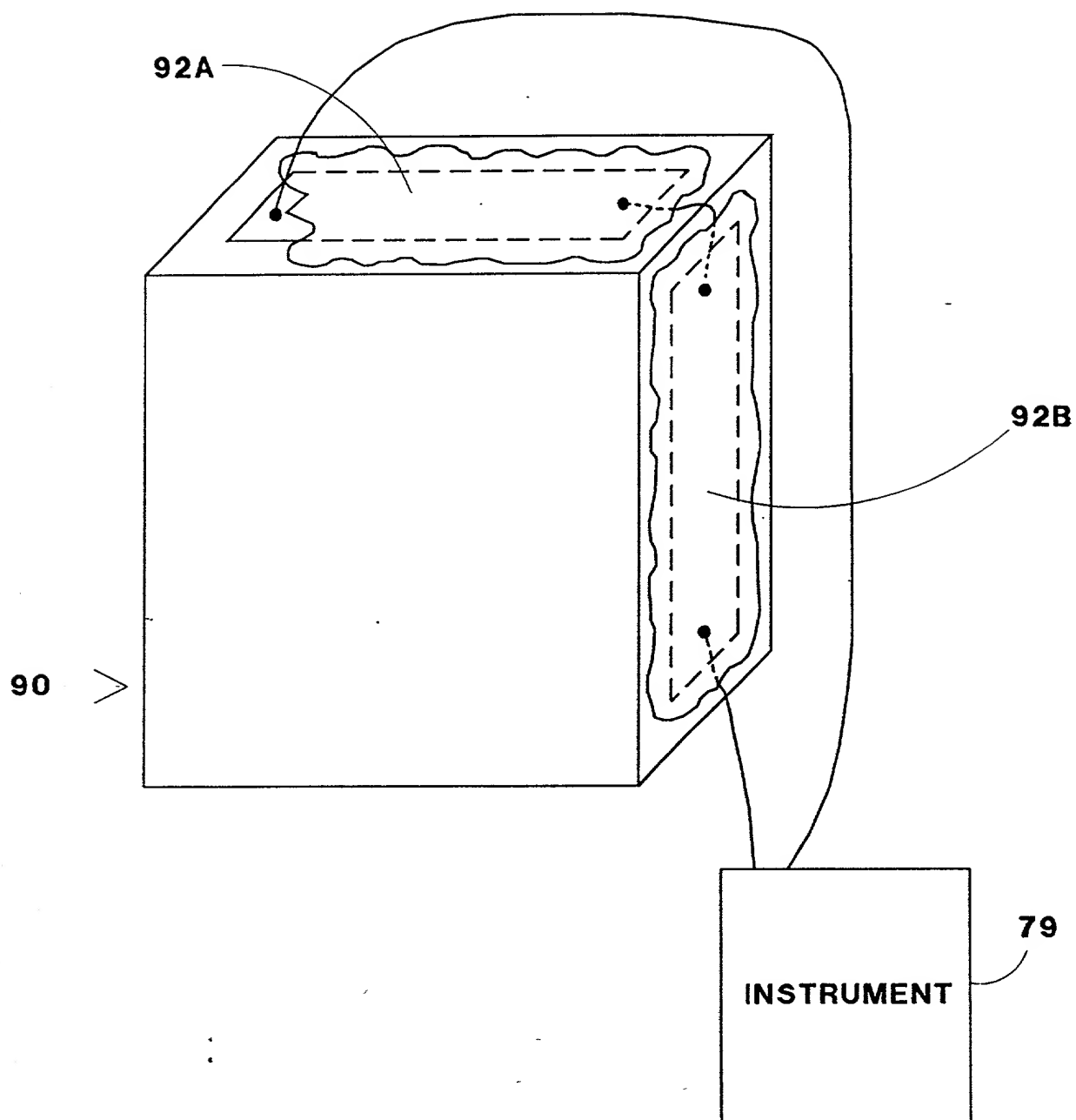


FIG. 8

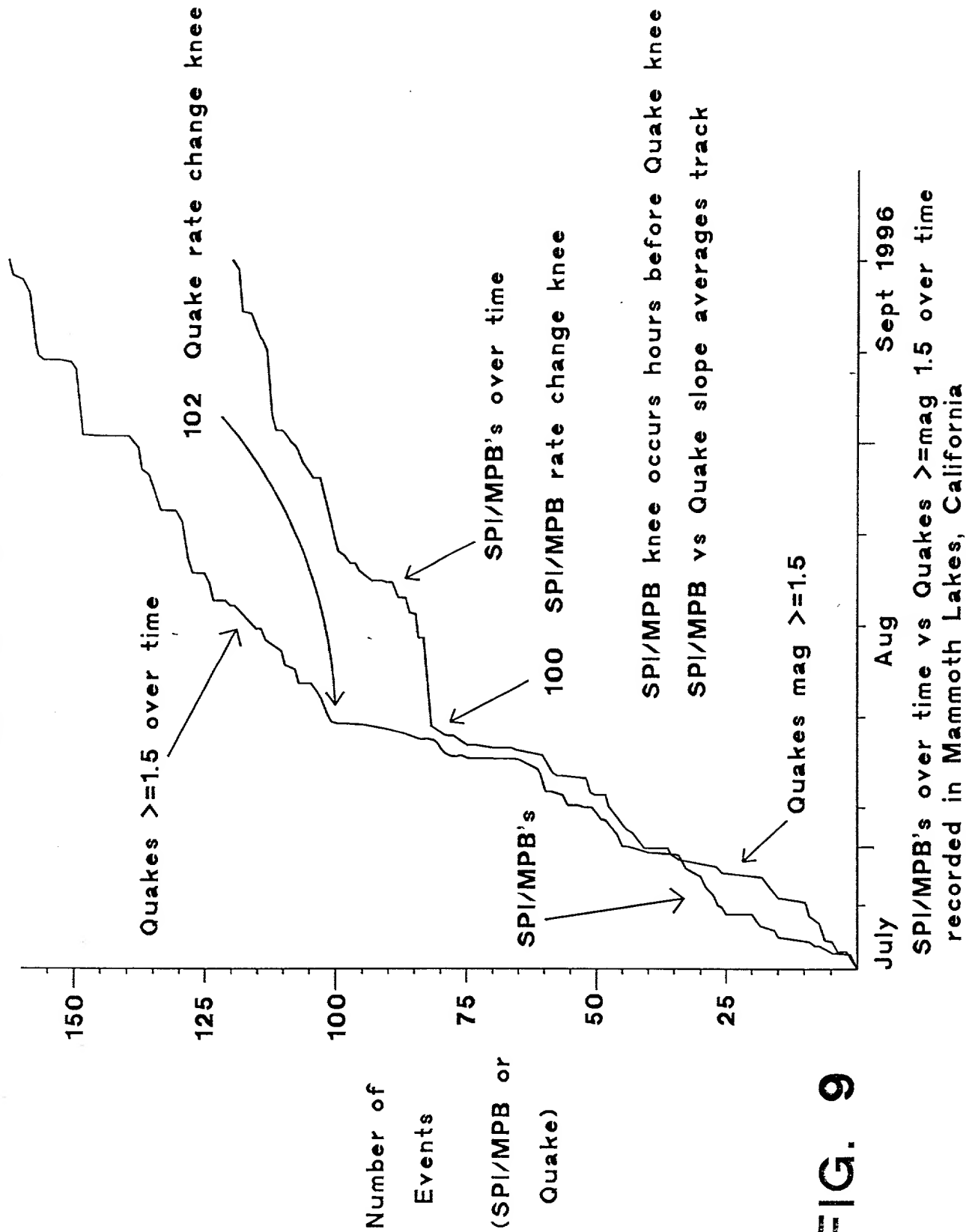


FIG. 9

TER ON P-PDC

TER ON P-PDC <08:18:59 08 DEC 95 SPD: 25 MM/M (2.400 SEC/MM

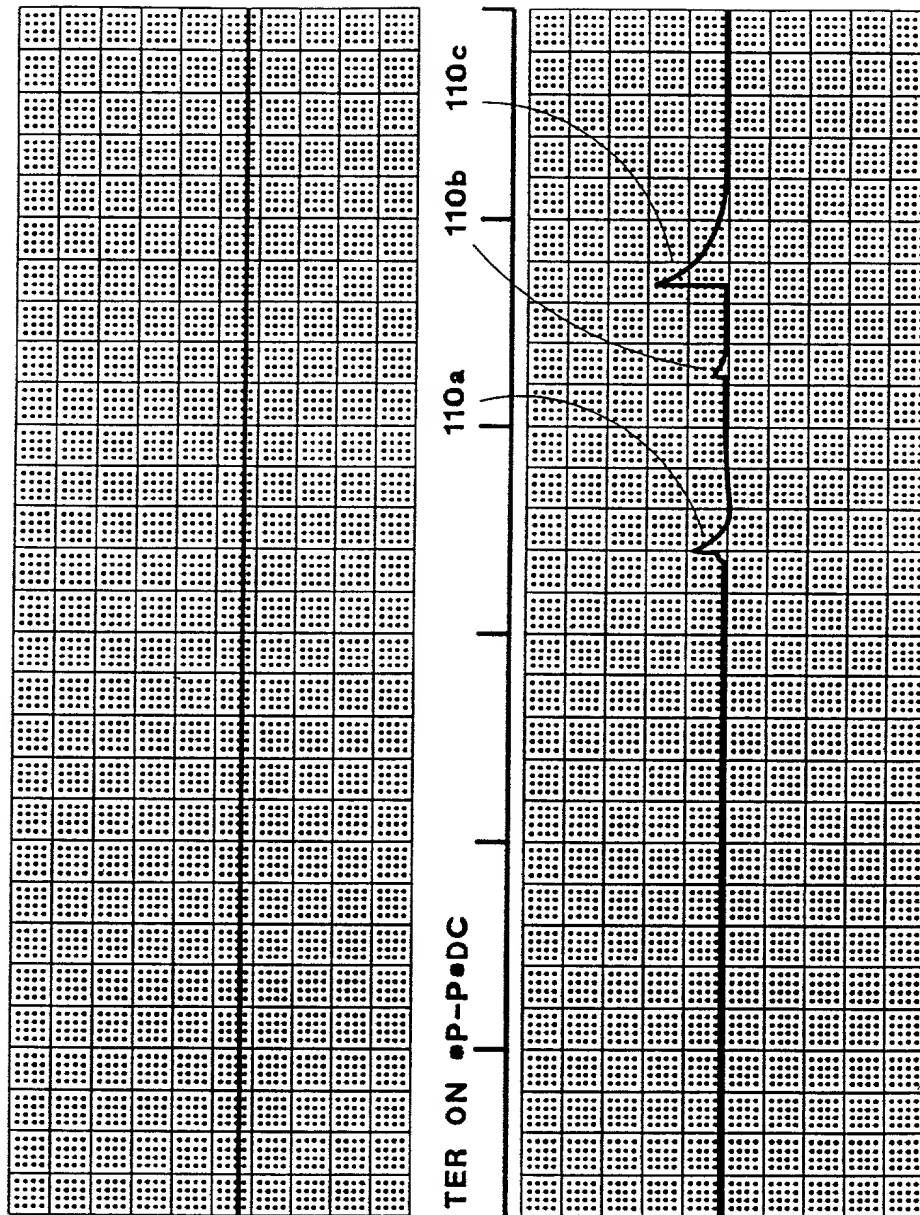
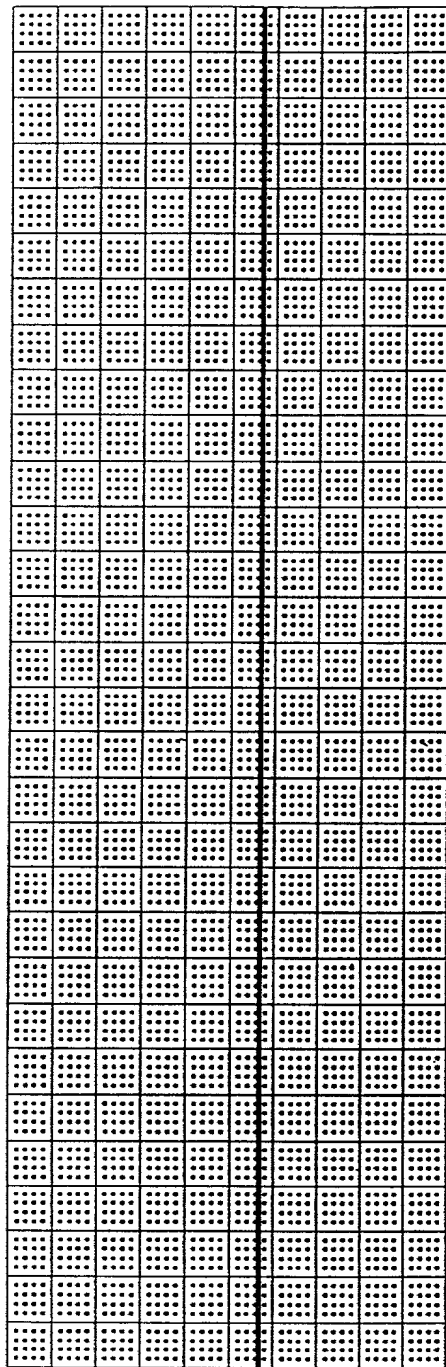


FIG. 10A

TE03000 T5ET4550

) CH1 * 0.1V/div#ZS OFF#FILTER ON #P-P#DC <08:27:39 #08 DE



CH2 * 2mV/div#ZS OFF#FILTER ON #P-P#DC

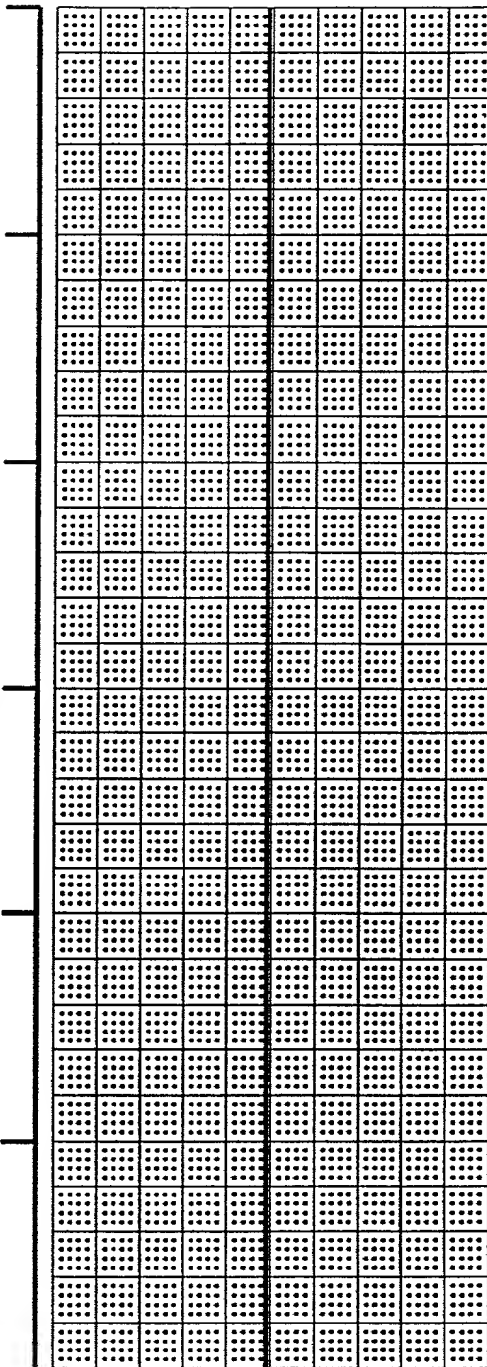
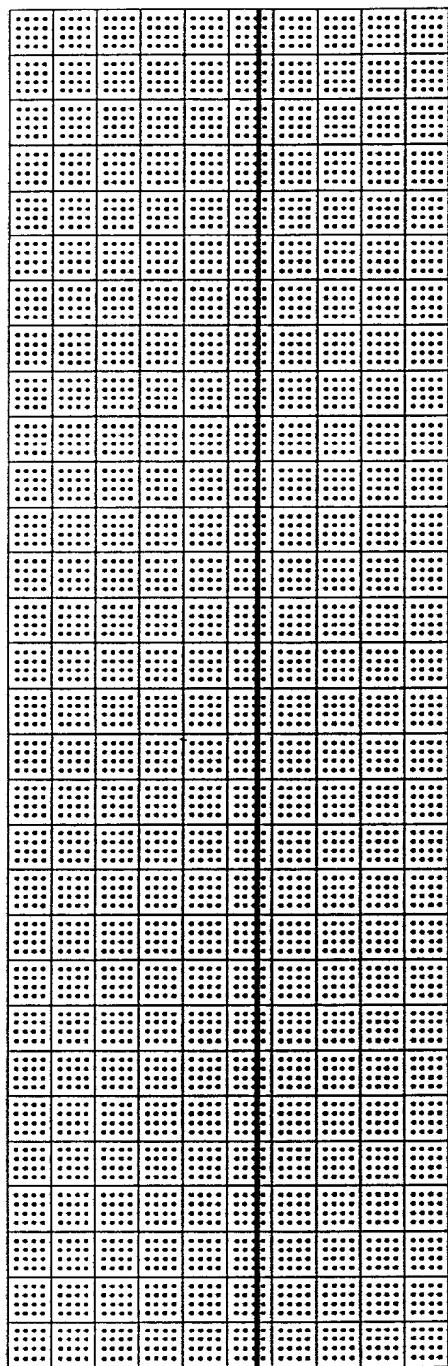


FIG. 10B

FD8280" T6E F4660

C 95 *SPD: 25 MM/M (2.400 SEC/MM) CH1 * 0.1V/div*ZS OFF*FILTER ON



CH2 * 2mV/div*ZS OFF*FILTER ON

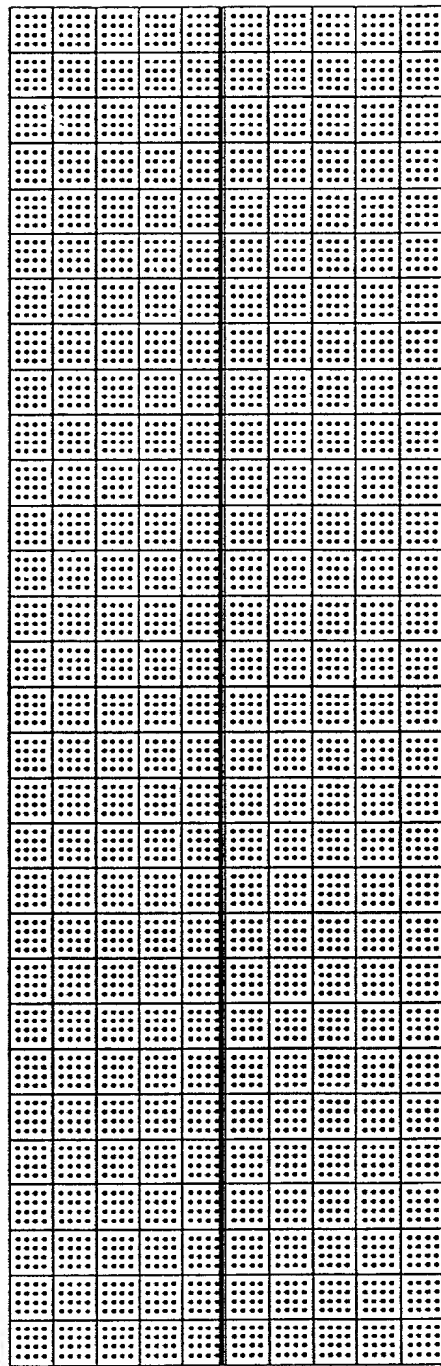
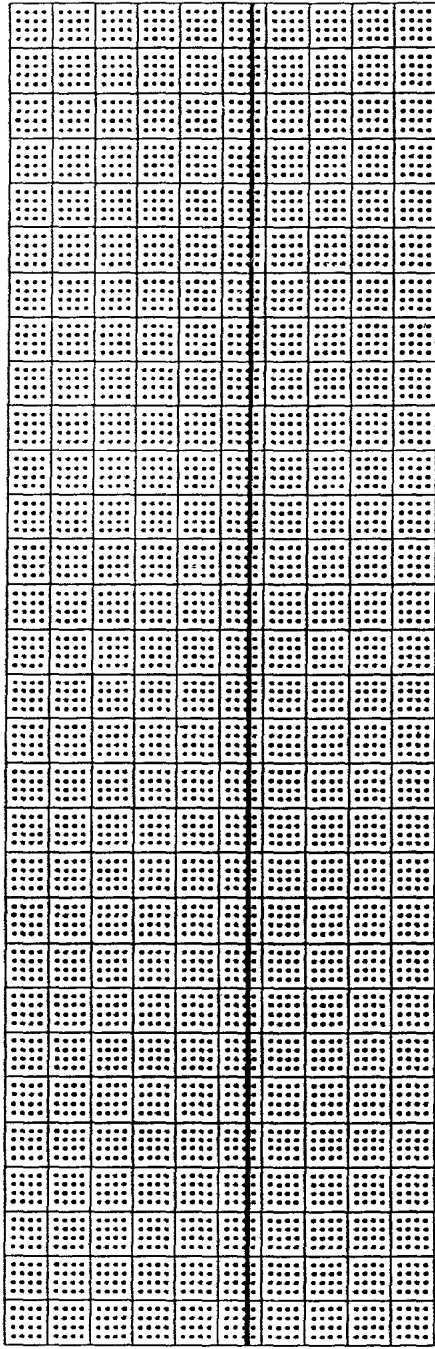


FIG. 10C

TOP SECRET

*P-P*DC <08:36:20 *08 DEC 95 *SPD: 25 MM/M (2.400 SEC/MM) CH1



*P-P*DC

CH2

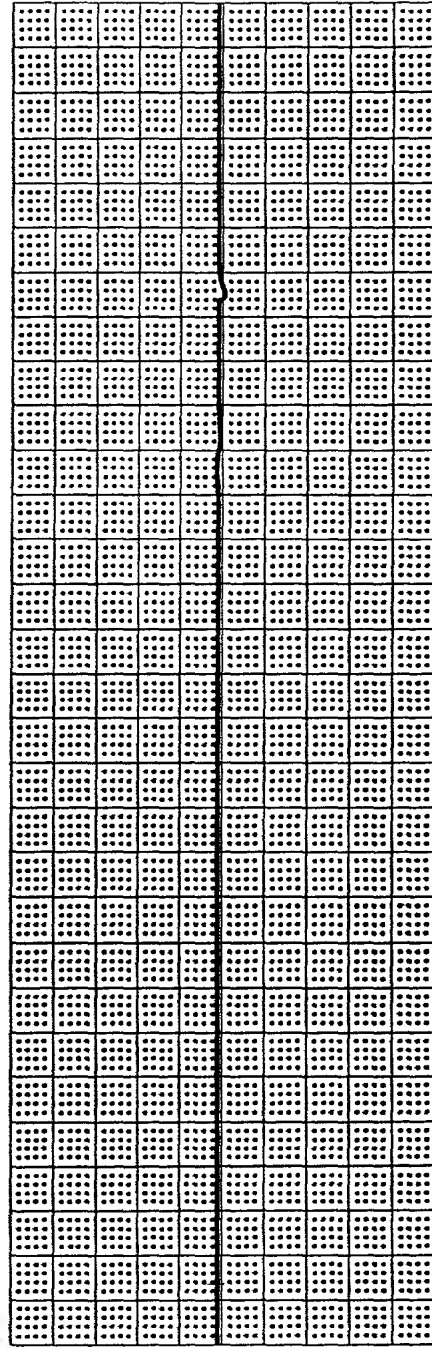
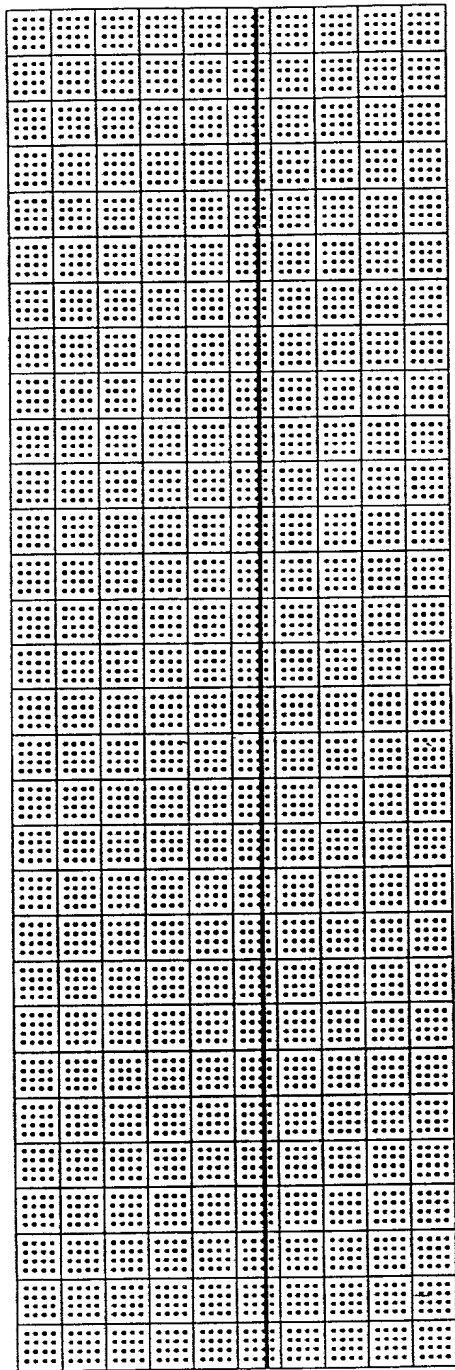


FIG. 10D

TE8380 "TET450

* 0.1V/div*ZS OFF*FILTER ON *P-P*DC <08:45:00 *08 DEC 95 *



* 2mV/div*ZS OFF*FILTER ON *P-P*DC

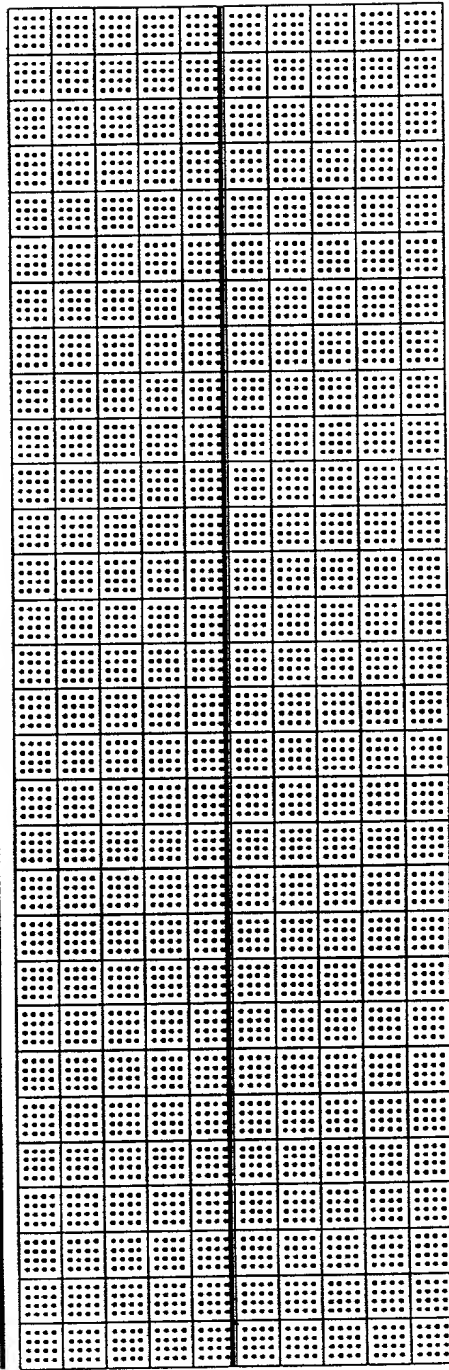
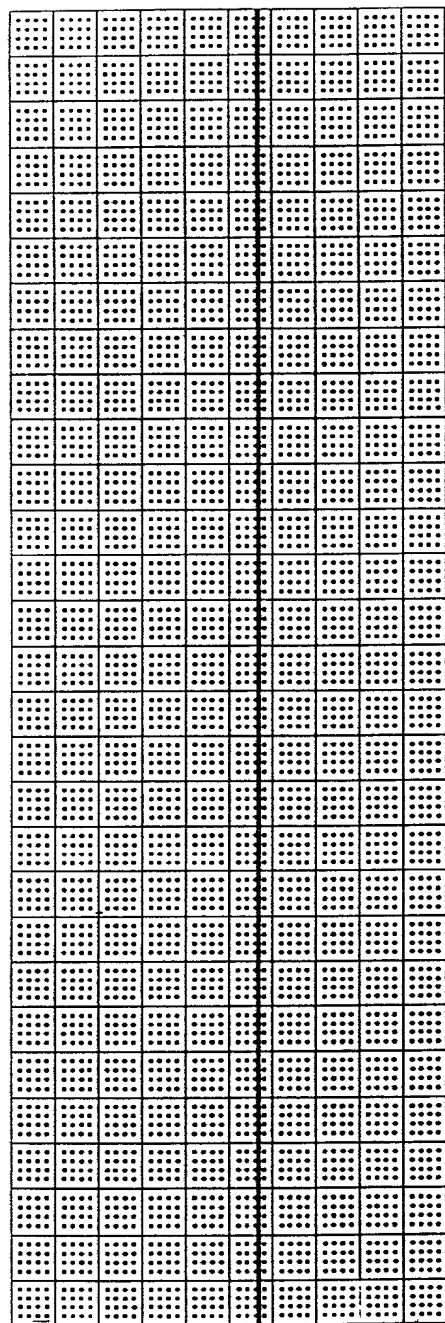


FIG. 10E

T08280" T6ET455D

SPD: 25 MM/M (2.400 SEC/MM) CH1 * 0.1V/div*ZS OFF*FILTER ON *P-P*



CH2 * 2mV/div*ZS OFF*FILTER ON *P-P*

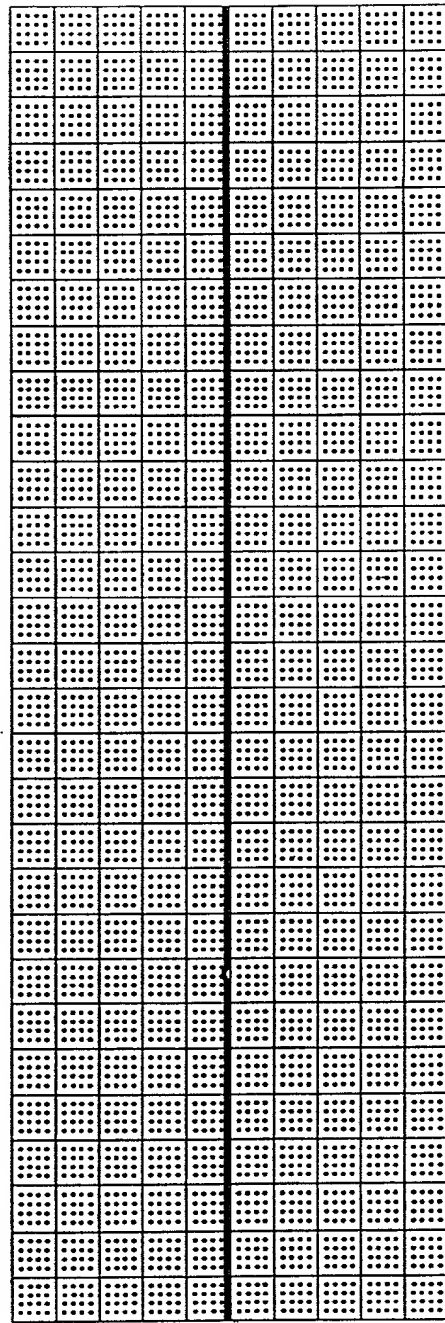
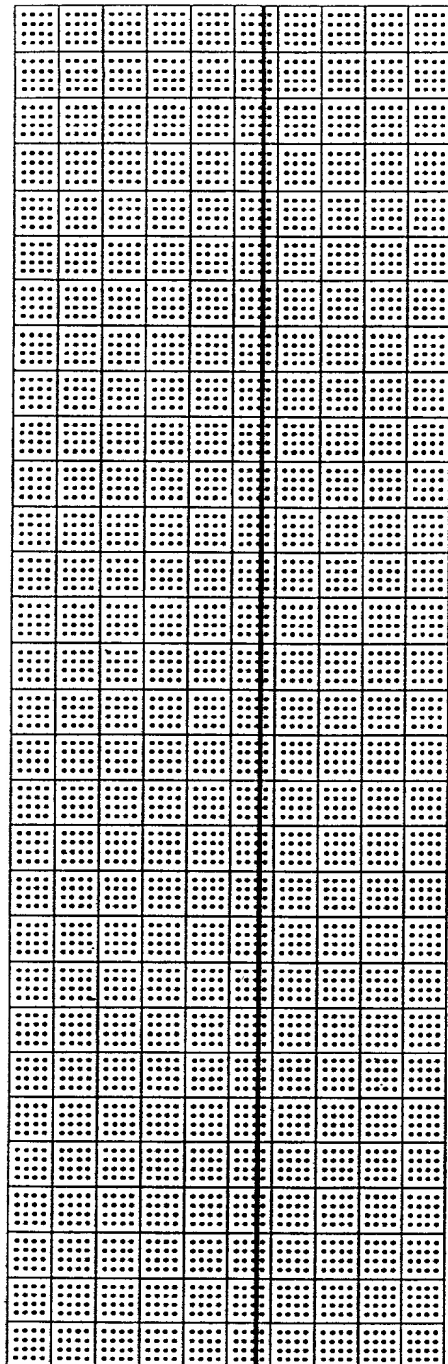


FIG. 10F

FOR3D" T6ETH660

DC <08:53:41 *08 DEC 95 *SPD: 25 MM/M (2.400 SEC/MM) CH1



CH2

DC

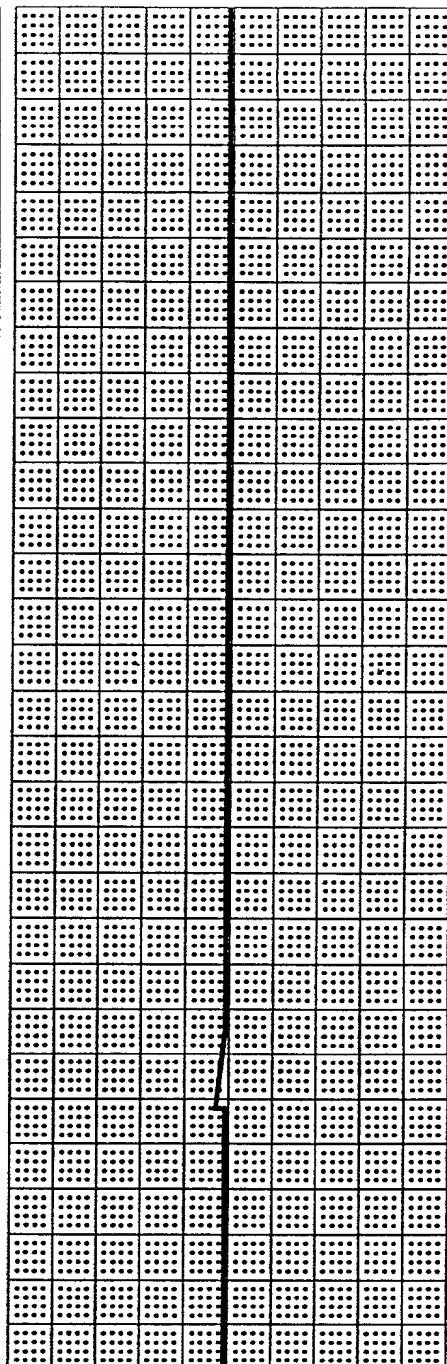
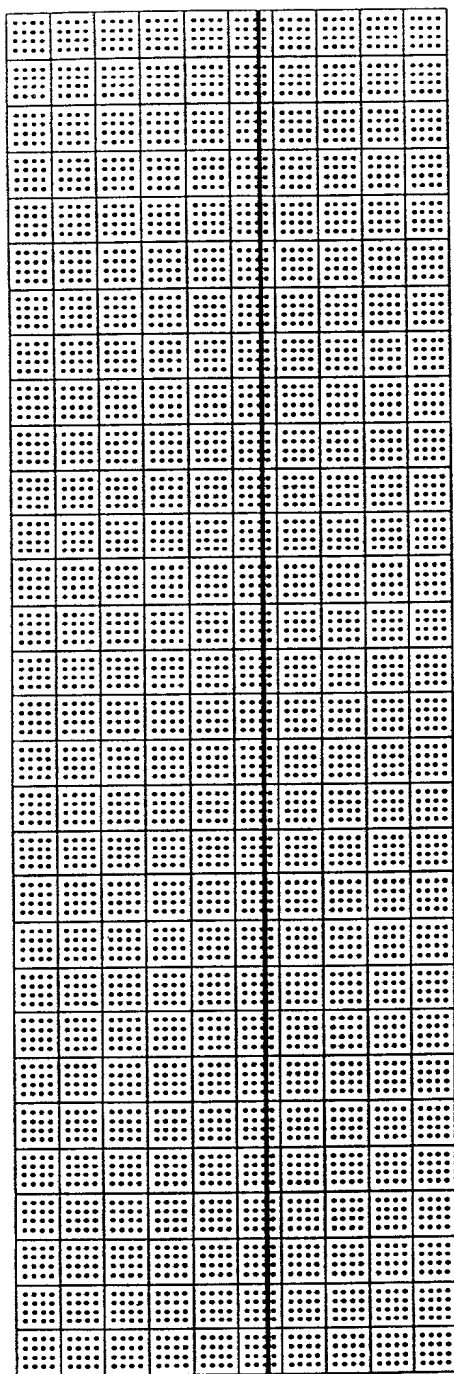


FIG. 10G

FO3280" T6E T4660

0.1V/div*ZS OFF*FILTER ON *P-P*DC <09:02:22 *08 DEC 95 *SPD: 2



2mV/div*ZS OFF*FILTER ON *P-P*DC

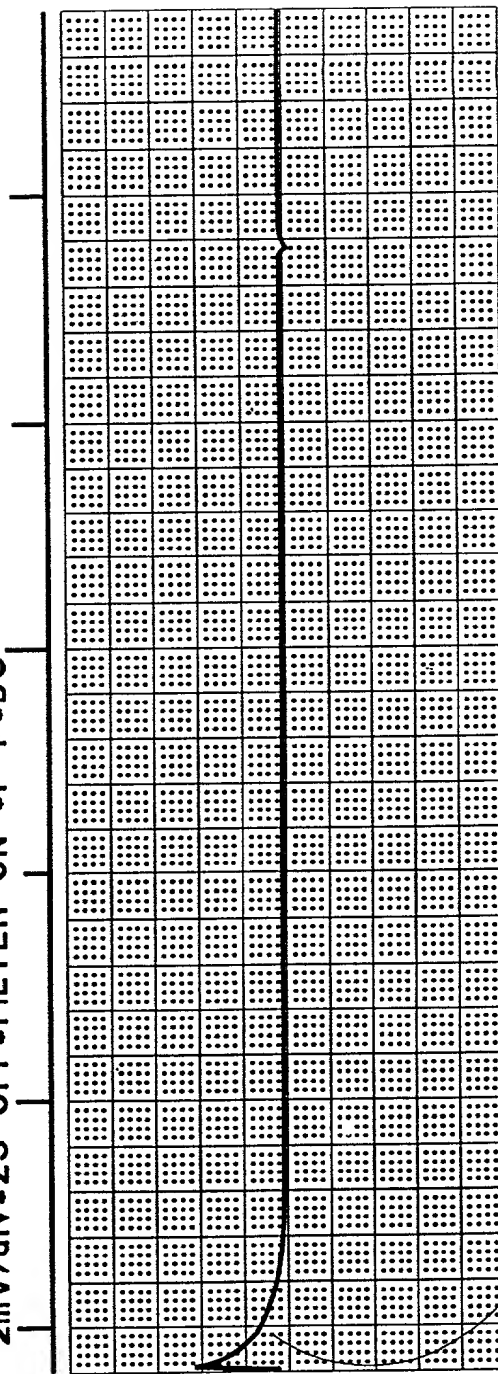
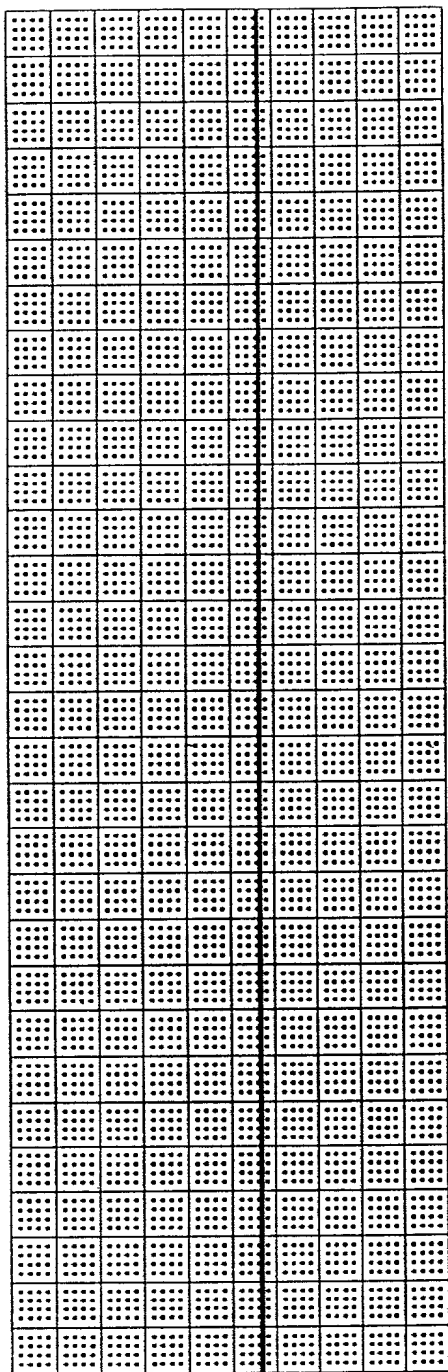


FIG. 10H

110d

TECHNICAL

5 MM/M (2.400 SEC/MM) CH1 * 0.1V/div*ZS OFF*FILTER ON *P-P*DC



CH2 * 2mV/div*ZS OFF*FILTER ON *P-P*DC

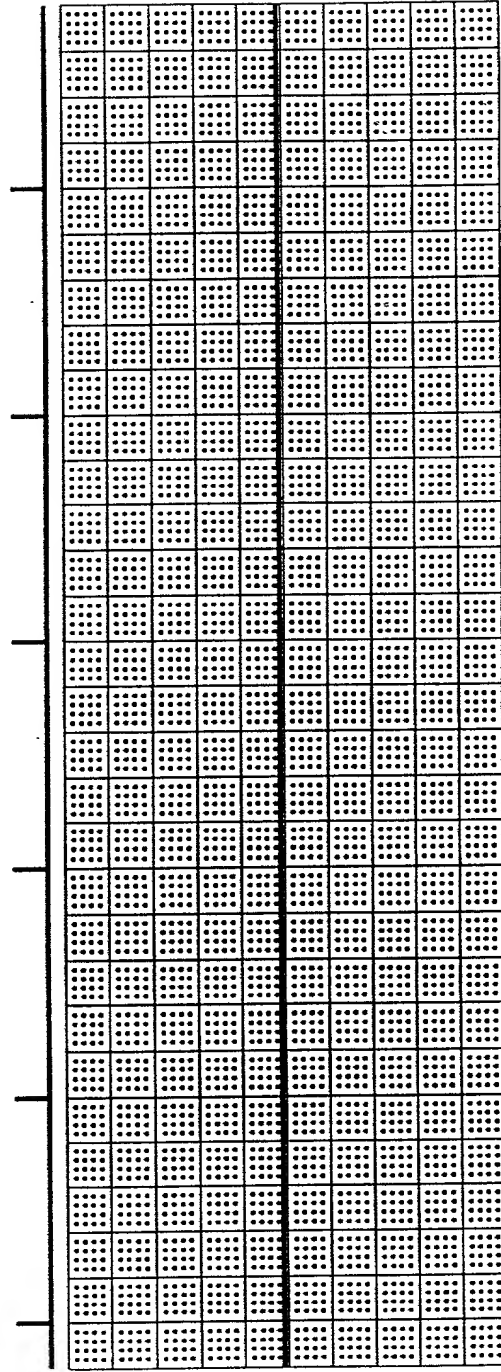
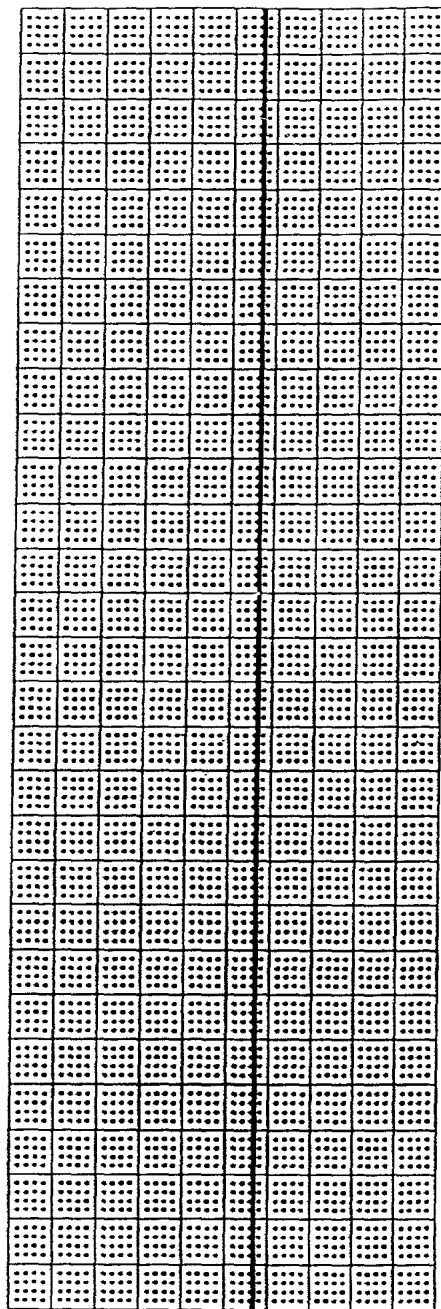


FIG. 101

TE3280" T6E74650

<09:11:02 #08 DEC 95 #SPD: 25 MM/M (2.400 SEC/MM) CH1 • 0.1V/



CH2 • 2mV/

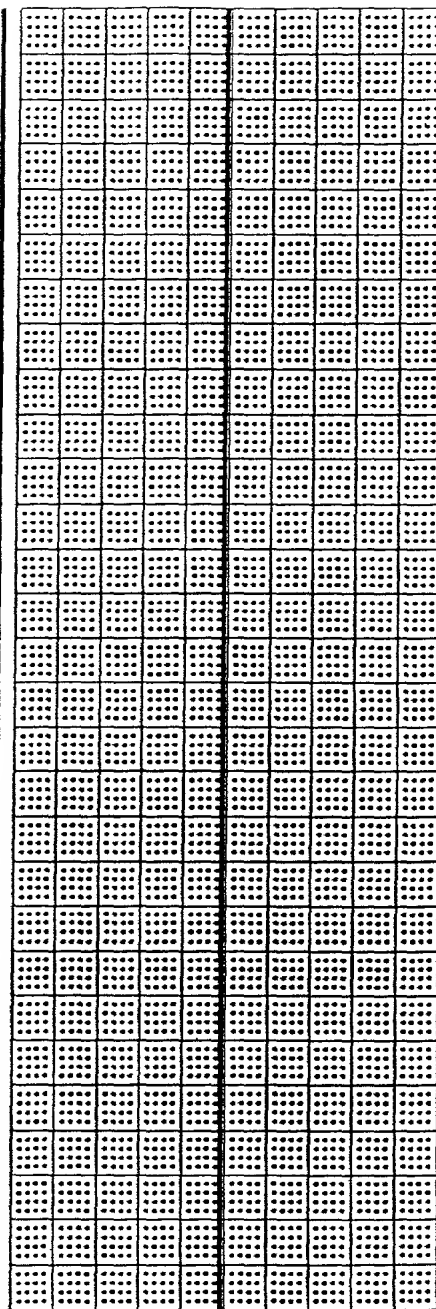
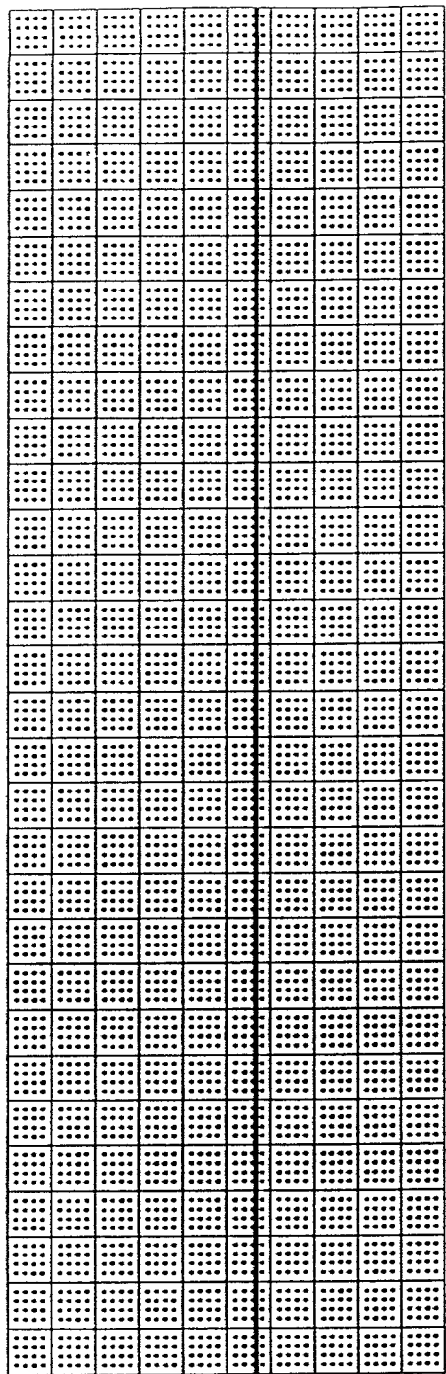


FIG. 10J

TESTED

div#ZS OFF#FILTER ON #P-P#DC <09:19:43 #08 DEC 95 #SPD: 25 MM/M



div#ZS OFF#FILTER ON #P-P#DC

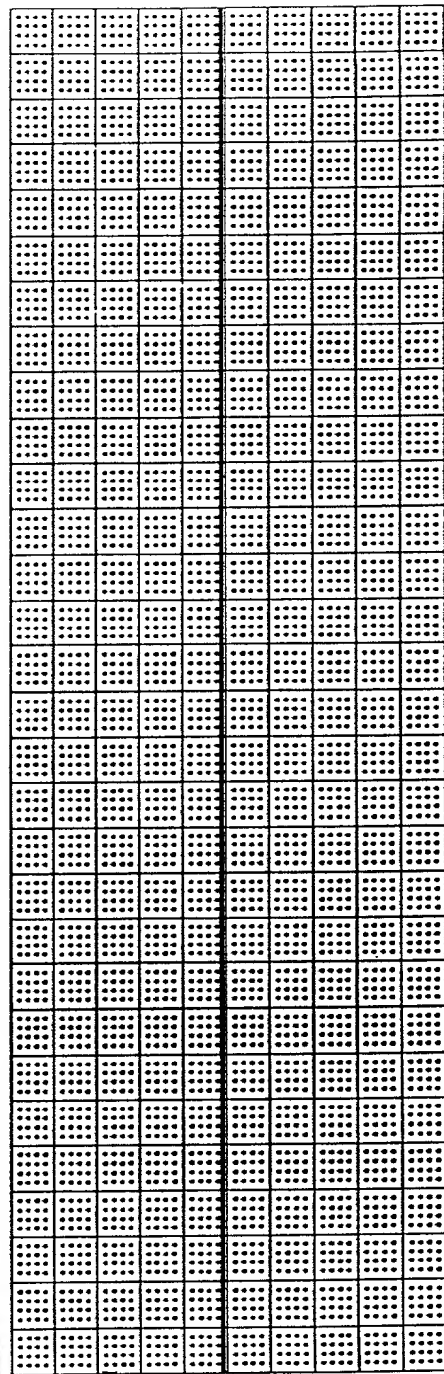
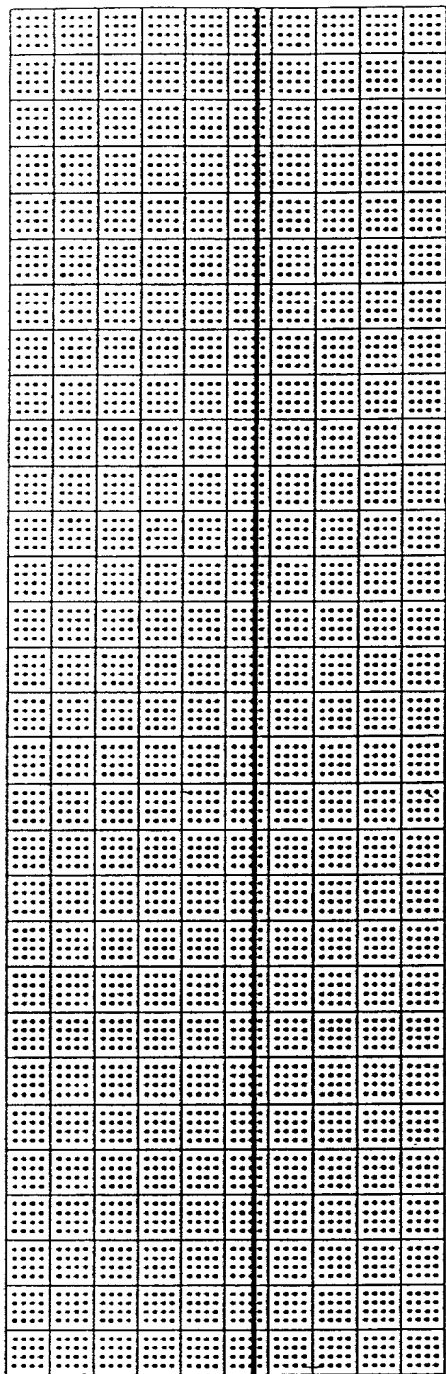


FIG. 10K

TECHNICAL

(2.400 SEC/MM) CH1 * 0.1V/div*ZS OFF*FILTER ON *P-P*DC <0



CH2 * 2mV/div*ZS OFF*FILTER ON *P-P*DC

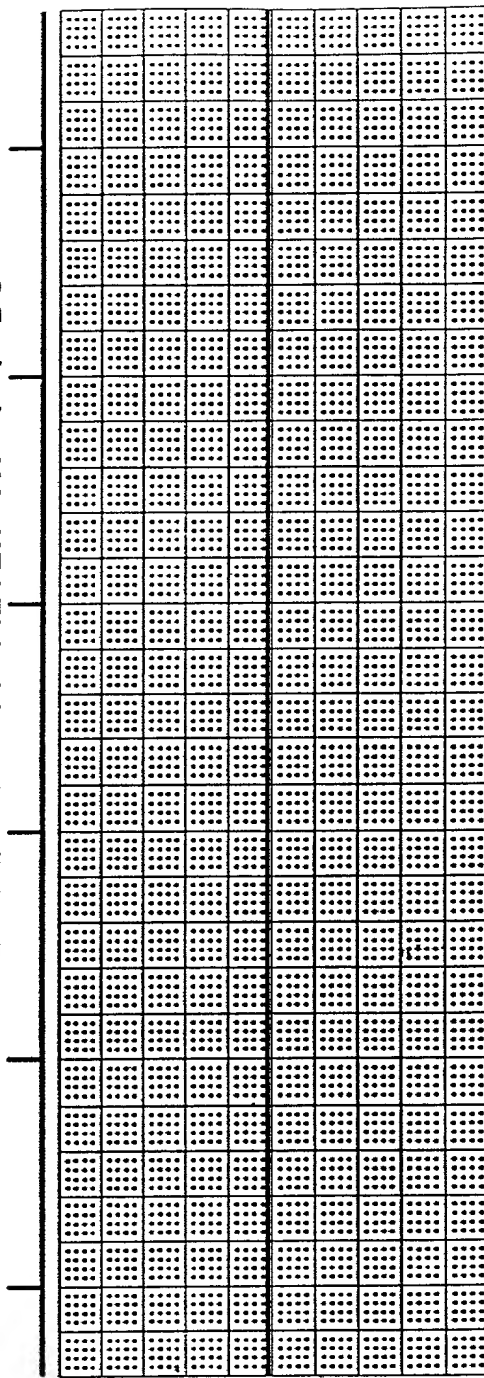
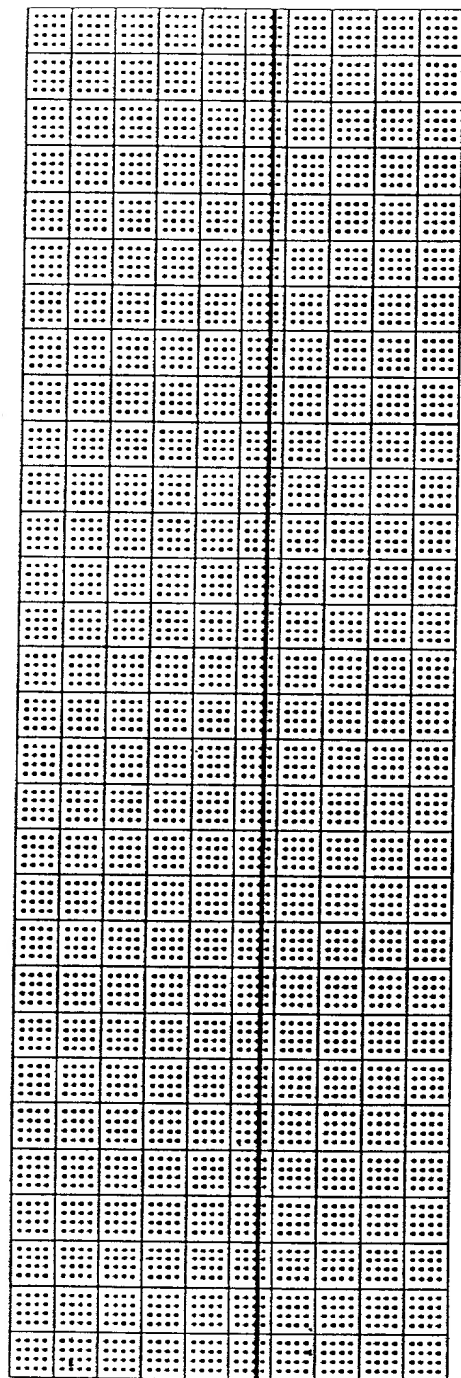


FIG. 10L

T08230" T6ET4560

9:28:24 *08 DEC 95 *SPD: 25 MM/M (2.400 SEC/MM) CH1 * 0.1V/div*ZS



CH2 * 2mV/div*ZS

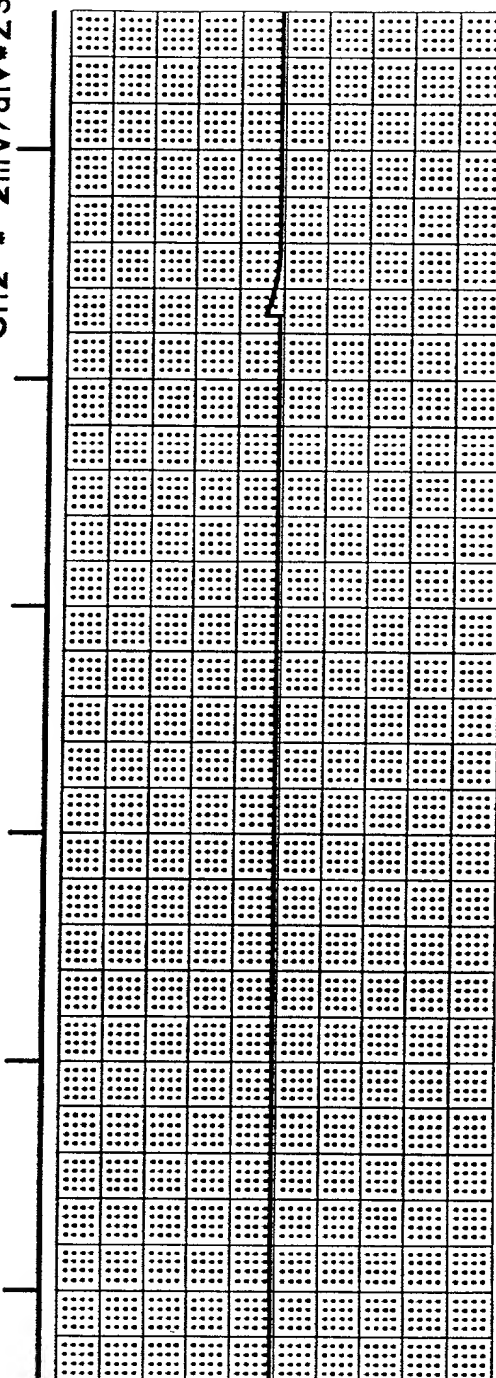


FIG. 10M

FD3280" T6ET4660

OFF*FILTER ON *P-P*DC <09:37:04 *08 DEC 95 *SPD: 25 MM/M (2.40

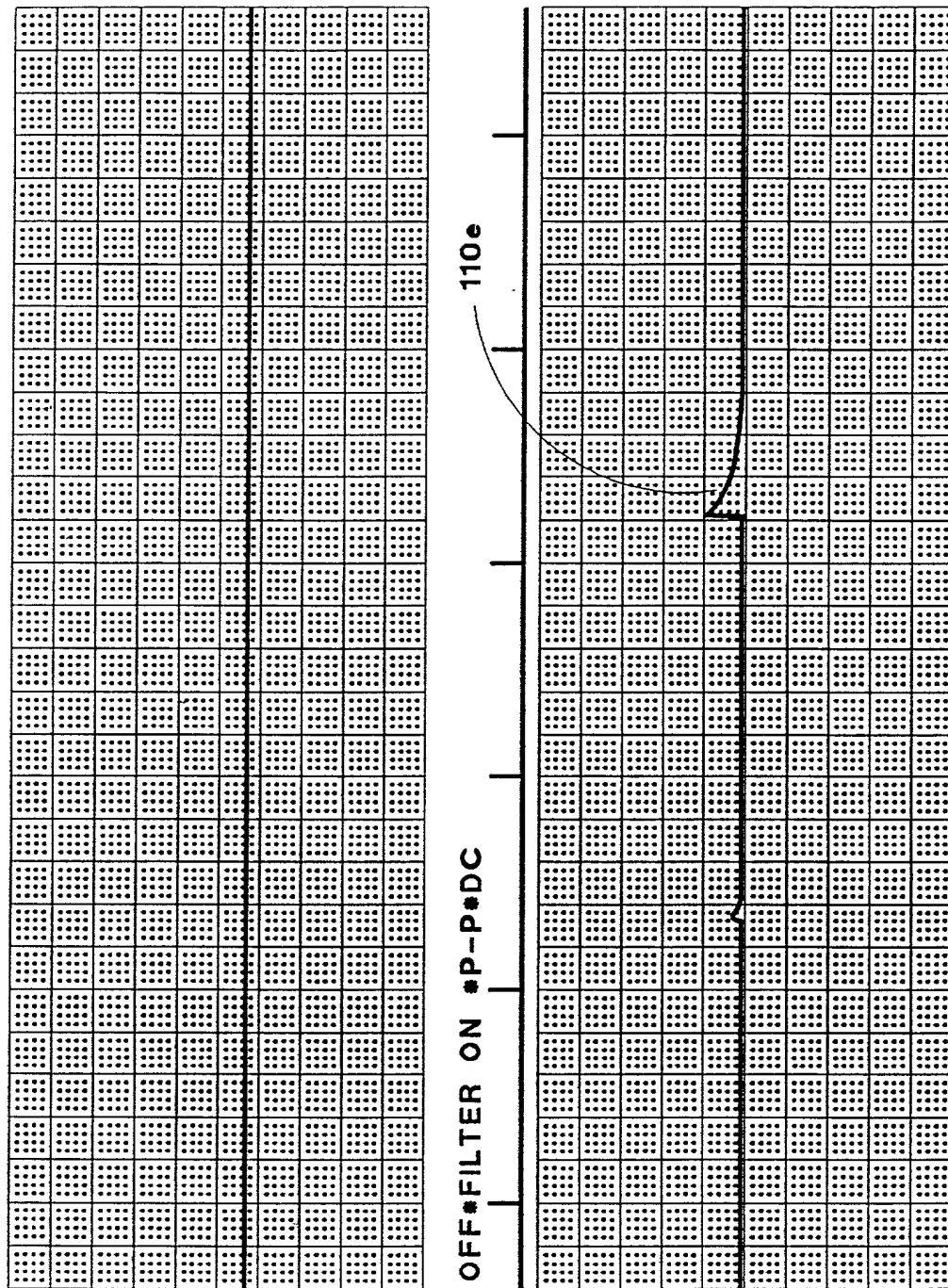


FIG. 10N

FD320 TEST 50

0 SEC/MM) CH1 • 0.1V/div#ZS OFF#FILTER ON #P-P#DC <09:45:4

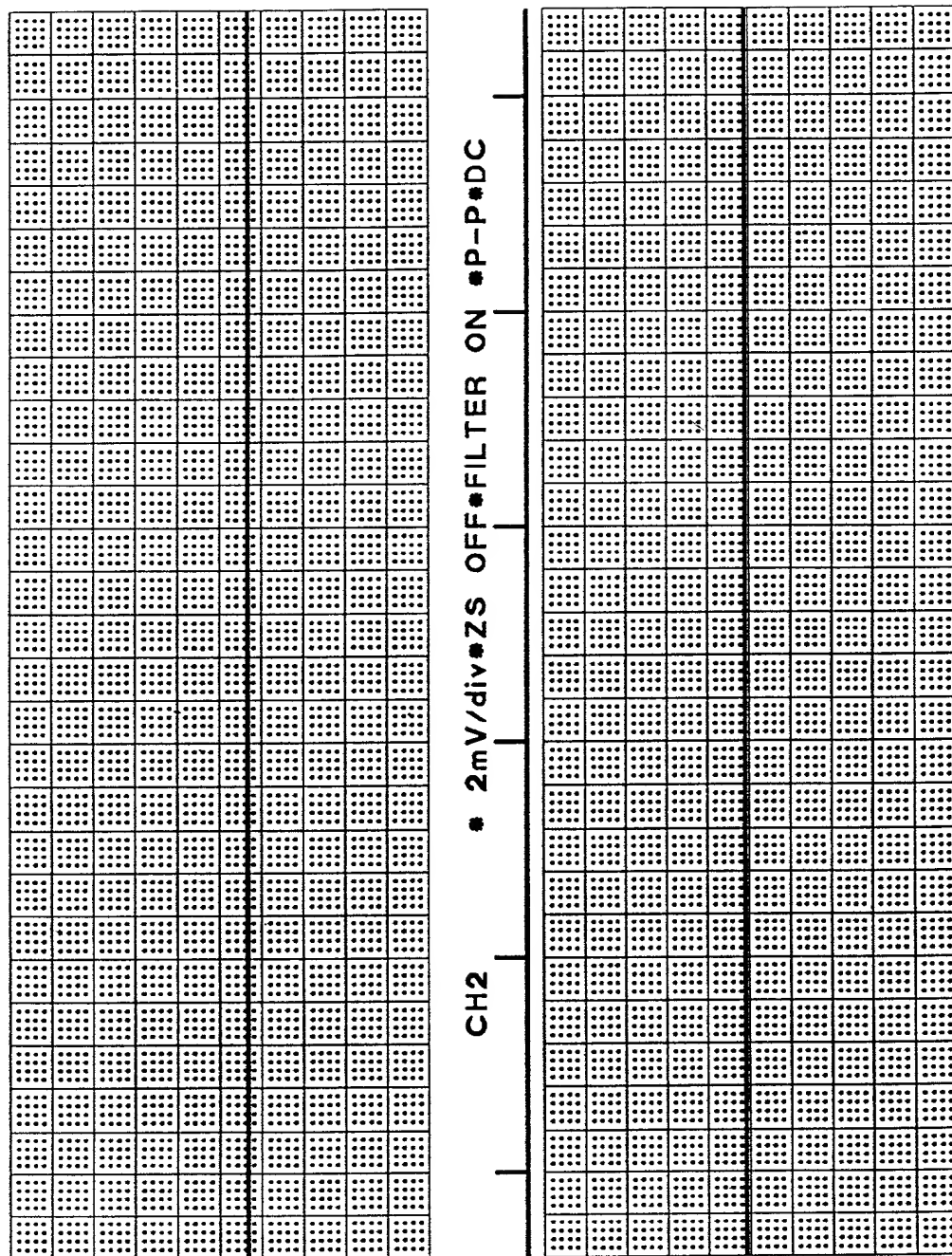
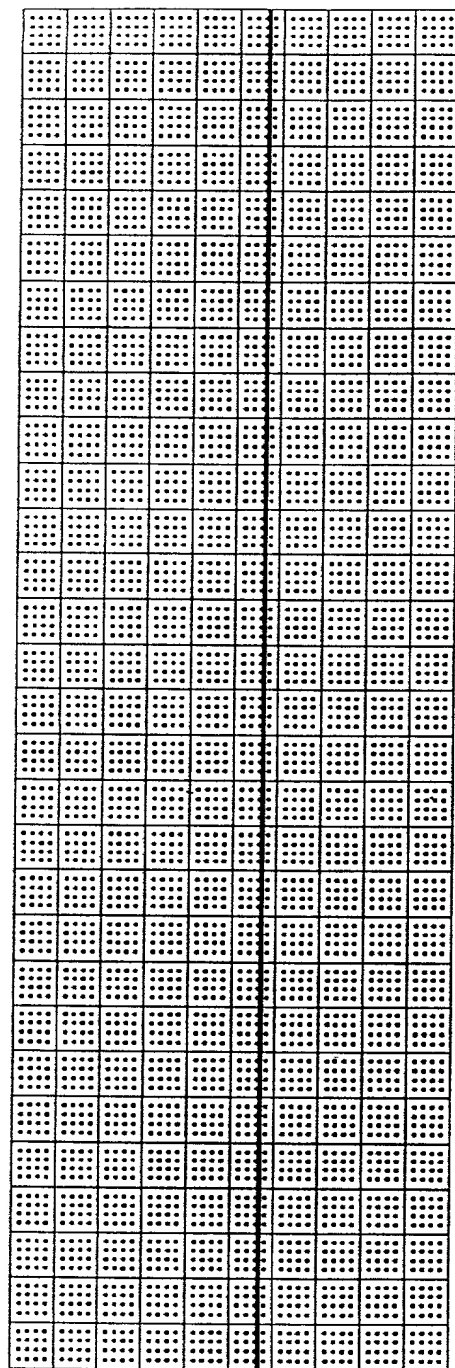


FIG. 100

TD2280" T6ET4550

5 *08 DEC 95 *SPD: 25 MM/M (2.400 SEC/MM) CH1 * 0.1V/div*ZS OFF*P



CH2 * 2 mV/div*ZS OFF*P

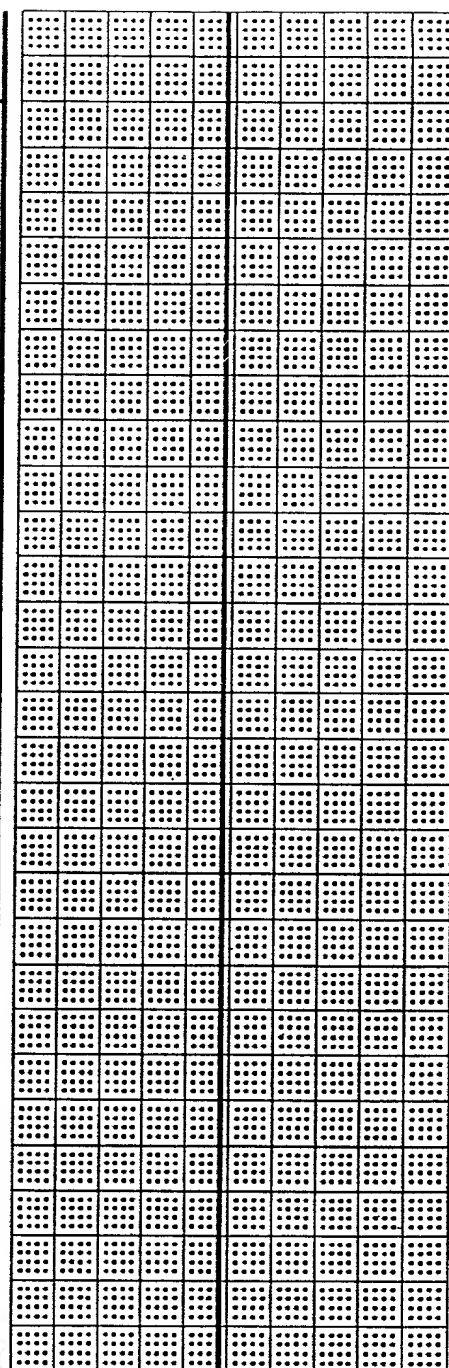
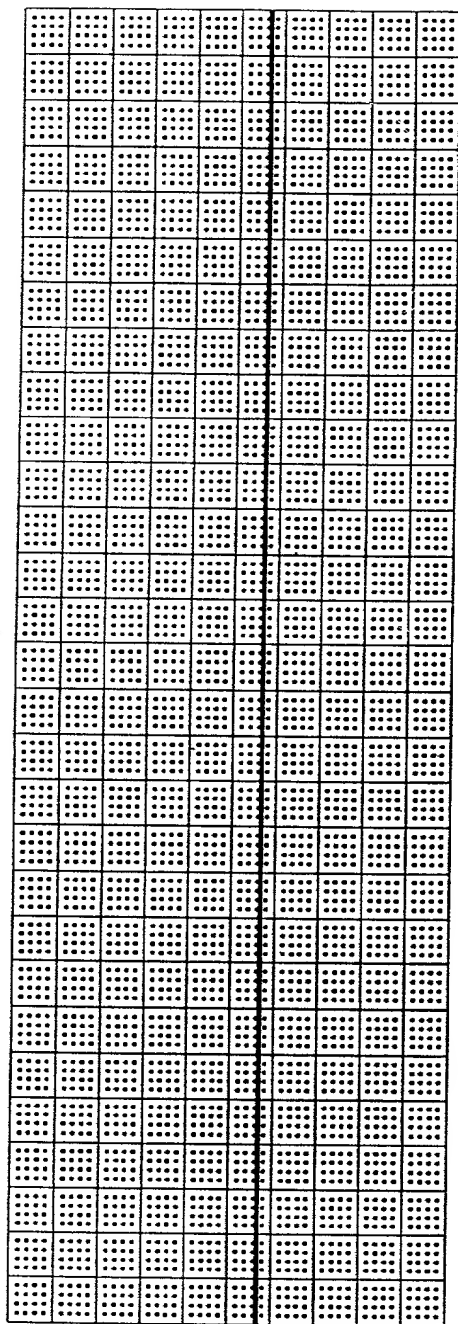


FIG. 10P

TECHNOLOGICAL

DEC 95 *SPD: 25 MM/M (2.400 SEC/MM) CH1 * 0.1V/div*ZS OFF*FILTER



110f CH2 * 2mV/div*ZS OFF*FILTER

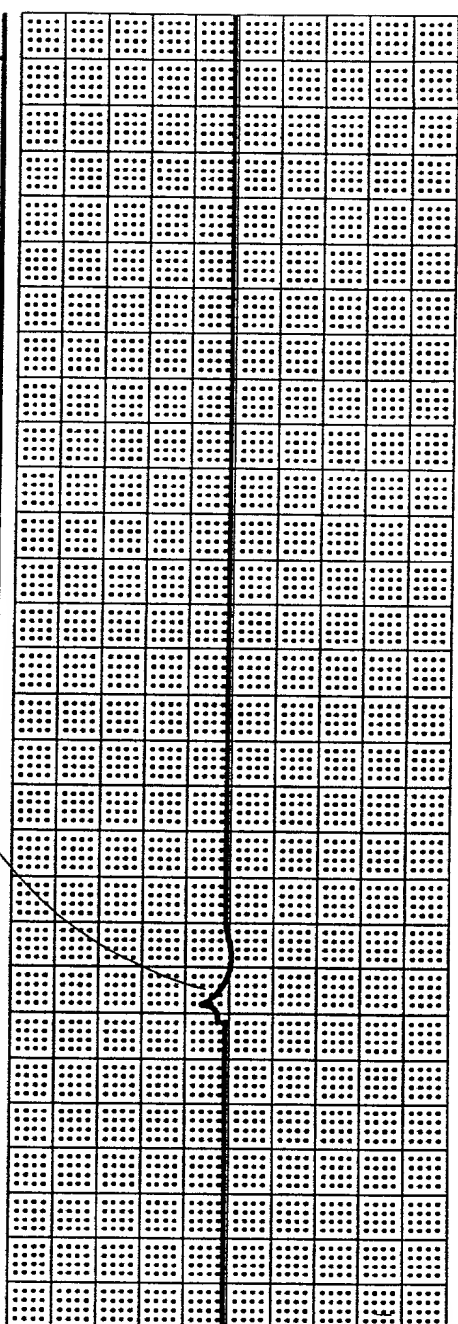
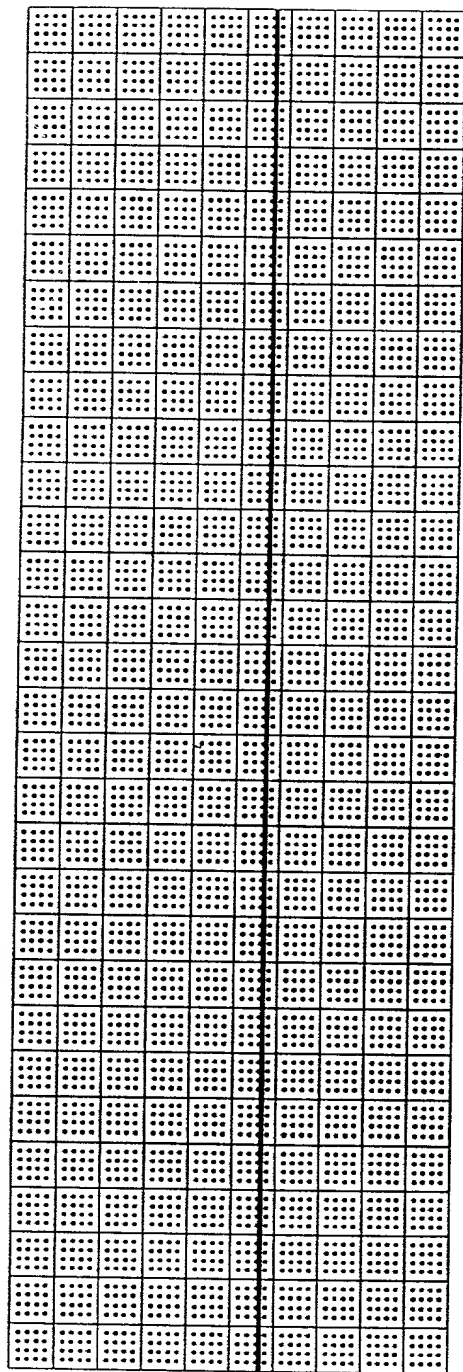


FIG. 10Q

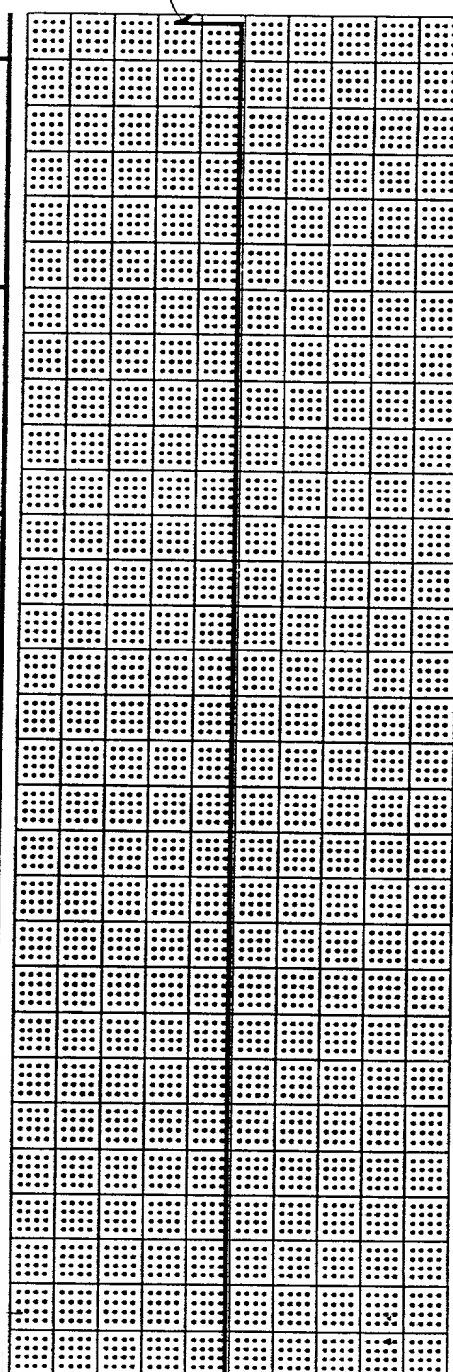
TESTED

ON *P-P*DC <10:11:47 *08 DEC 95 *SPD: 25 MM/M (2.400 SEC/MM) C



ON *P-P*DC

C

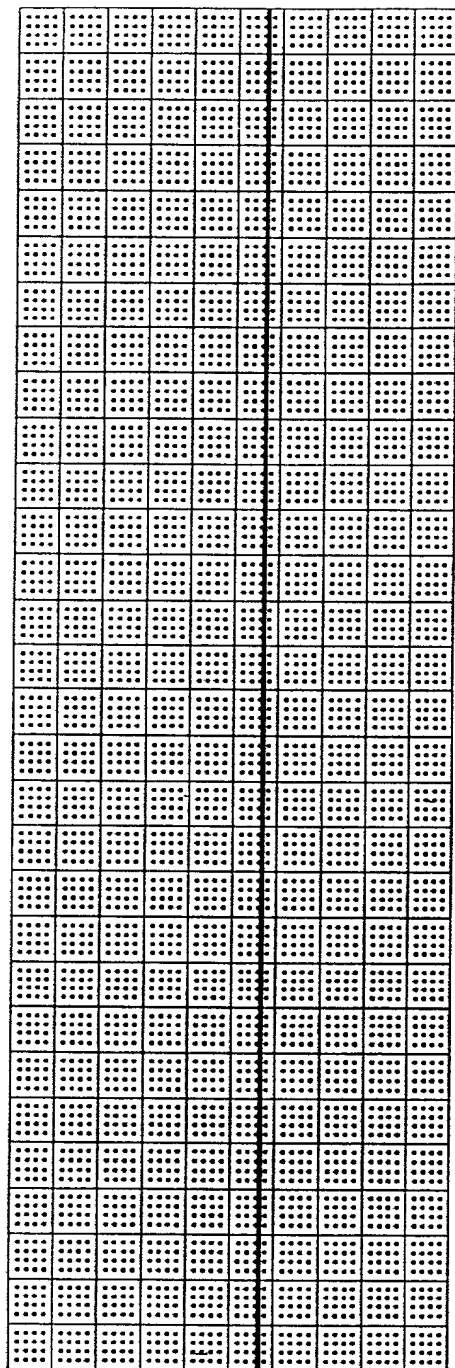


110g

FIG. 10R

TE330 "TET-60"

H1 * 0.1V/div*ZS OFF*FILTER ON *P-P*DC <10:20:27 *08 DEC 95



H2 * 2mV/div*ZS OFF*FILTER ON *P-P*DC

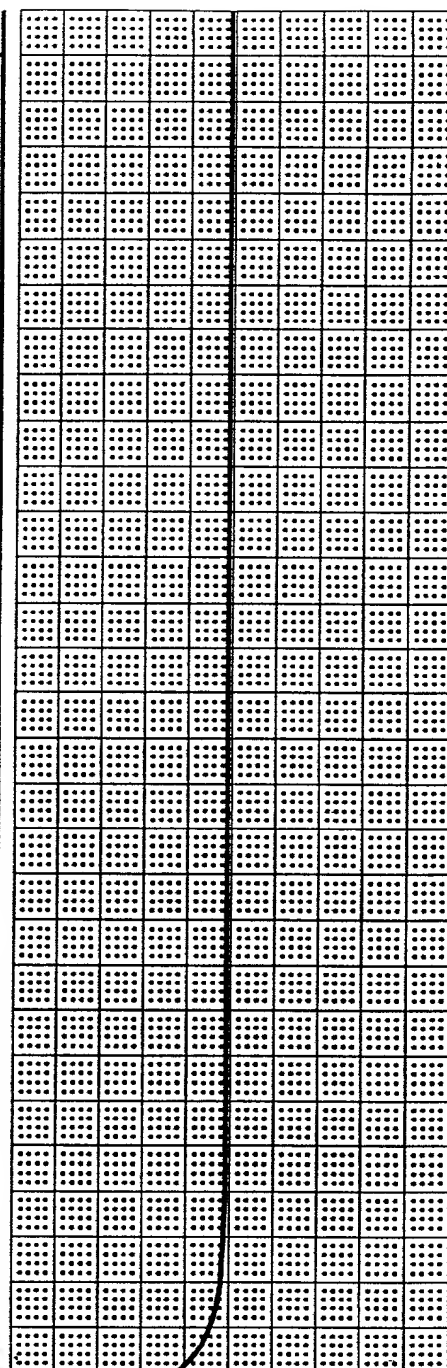
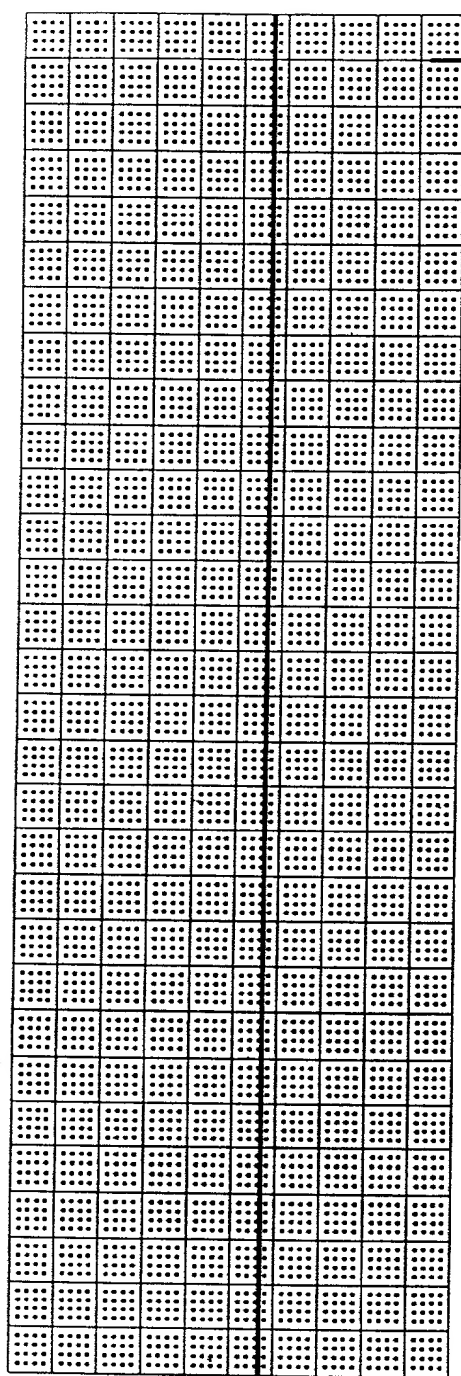


FIG. 10S

TOP SECRET

*SPD: 25 MM/M (2.400 SEC/MM) CH1 * 0.1V/div*ZS OFF*FILTER ON *P-



CH2 * 2mV/div*ZS OFF*FILTER ON *P-

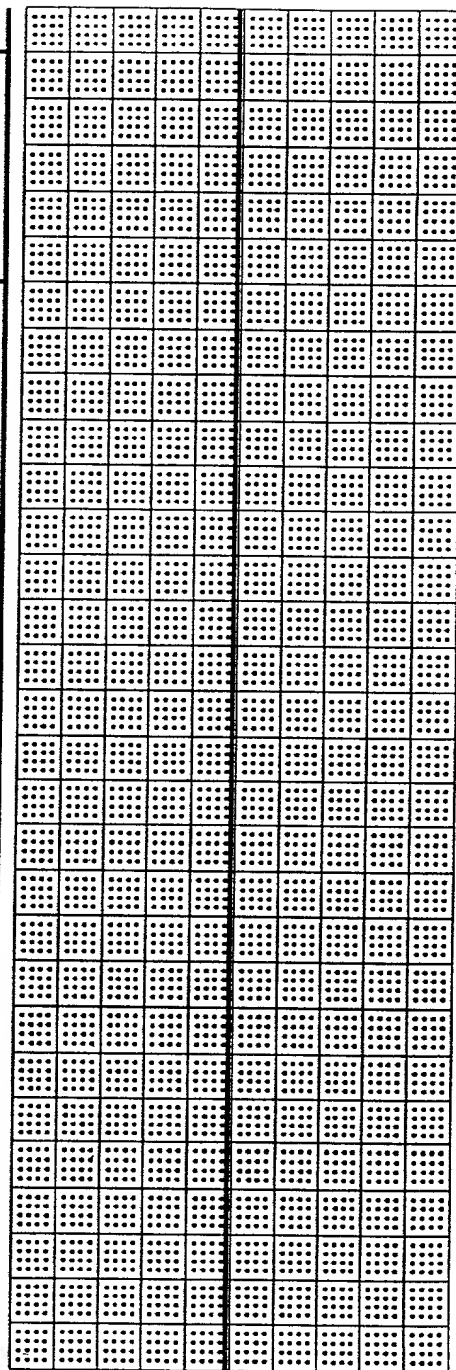
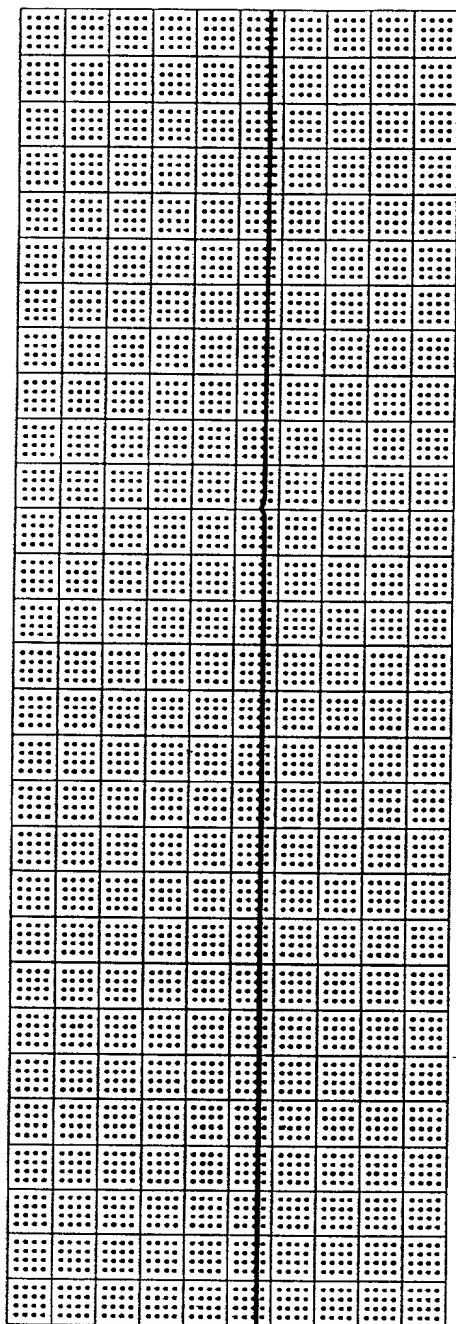


FIG. 10T

TOP SECRET

P*DC <10:29:08 *08 DEC 95 *SPD: 25 MM/M (2.400 SEC/MM) CH1



P*DC

CH2

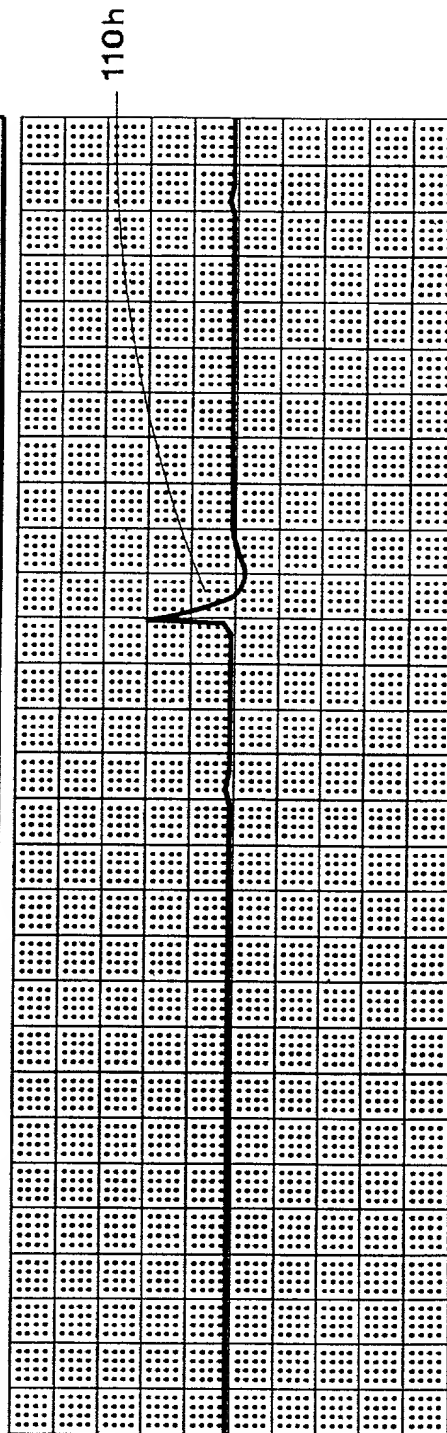


FIG. 10U

T0830" T5ET4650

* 0.1V/div*ZS OFF*FILTER ON *P-P*DC <10:37:48 *08 DEC 95 *SPD:

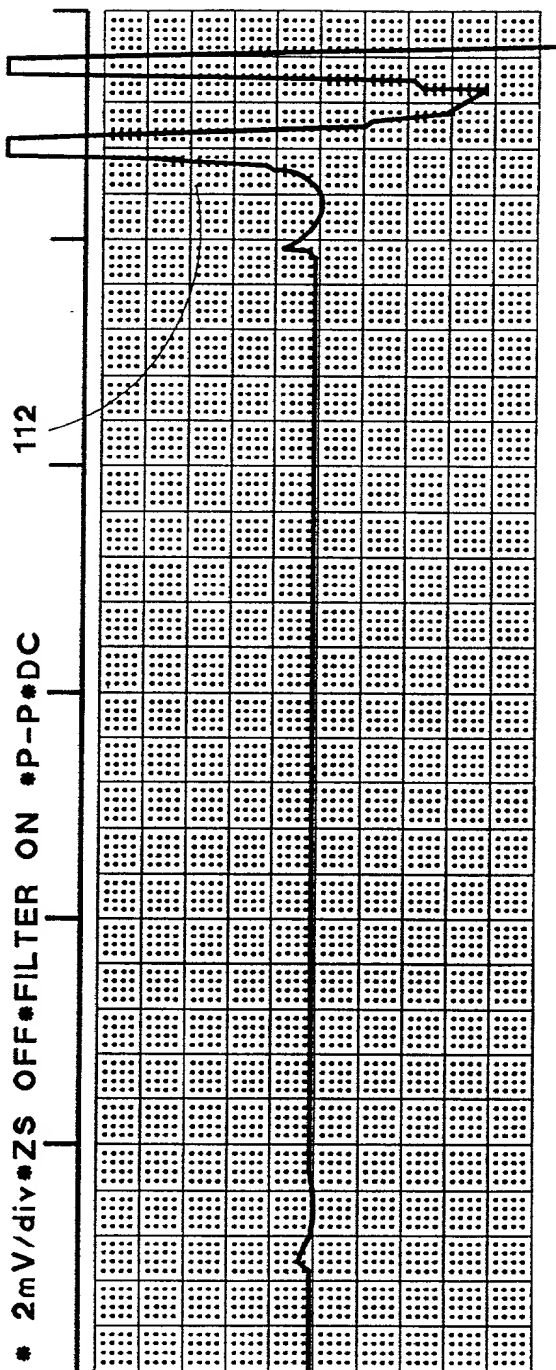
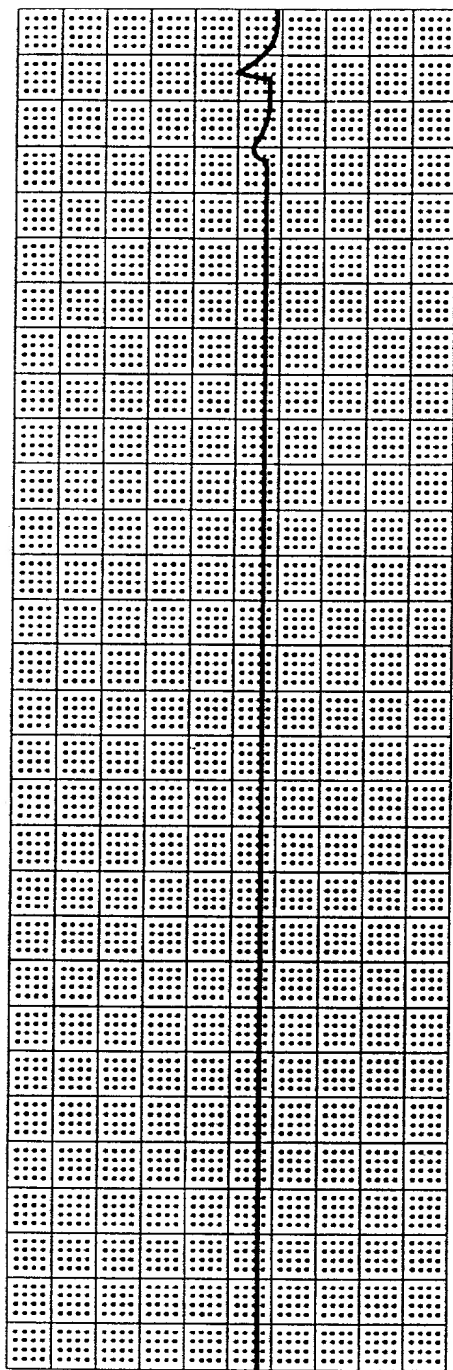
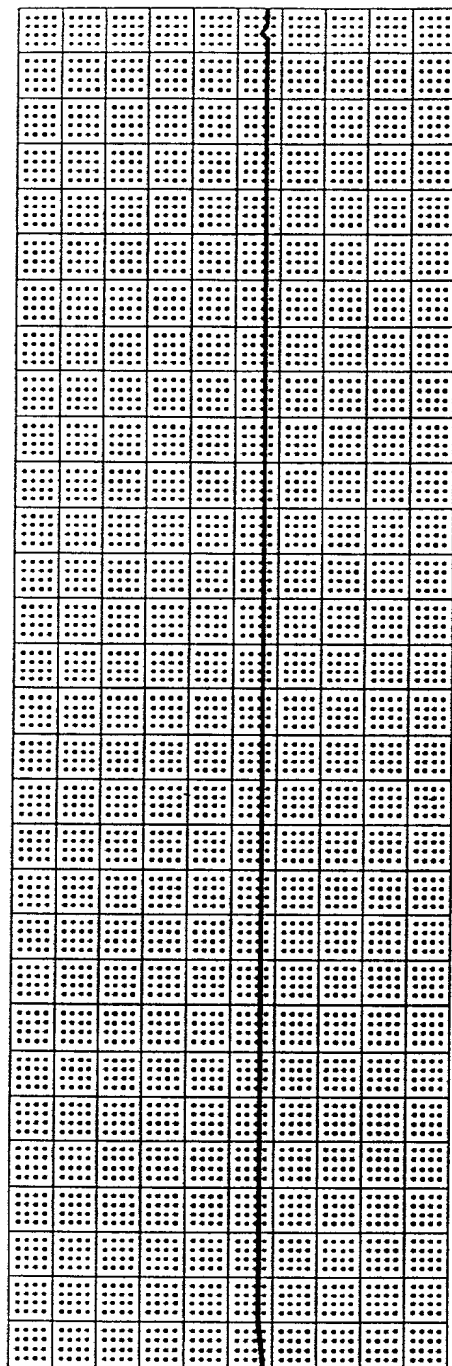


FIG. 10V

FD3280" 16E74550

25 MM/M (2.400 SEC/MM) CH1 • 0.1V/div*ZS OFF*FILTER ON *P-P*DC



CH2 • 2mV/div*ZS OFF*FILTER ON *P-P*DC

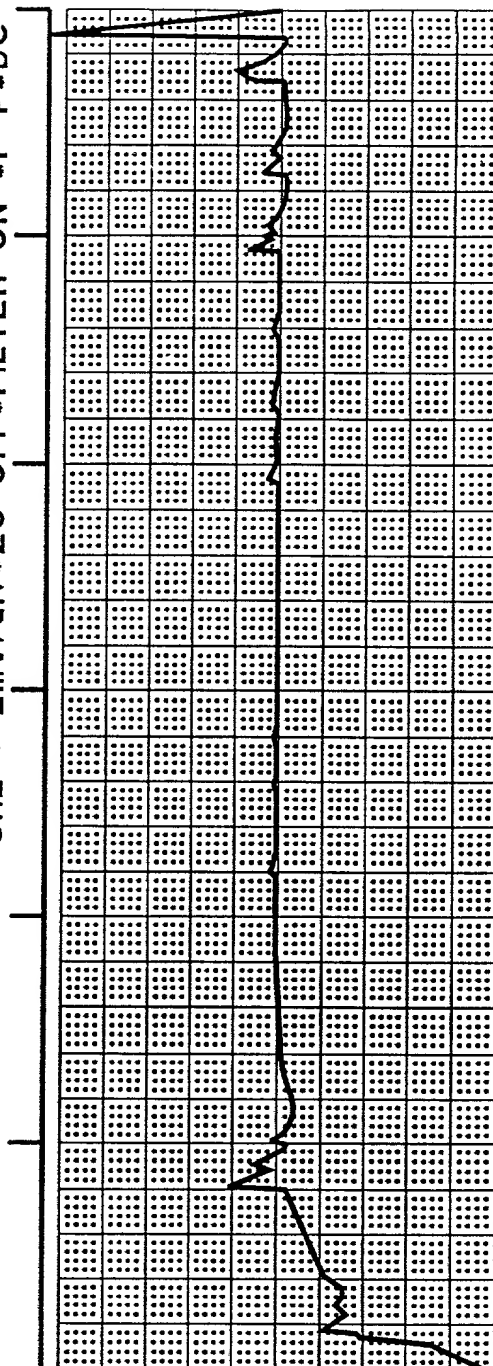


FIG. 10W

T08290" T6ET4650

<10:46:29 *08 DEC 95 *SPD: 25 MM/M (2.400 SEC/MM) CH1 * 0.1

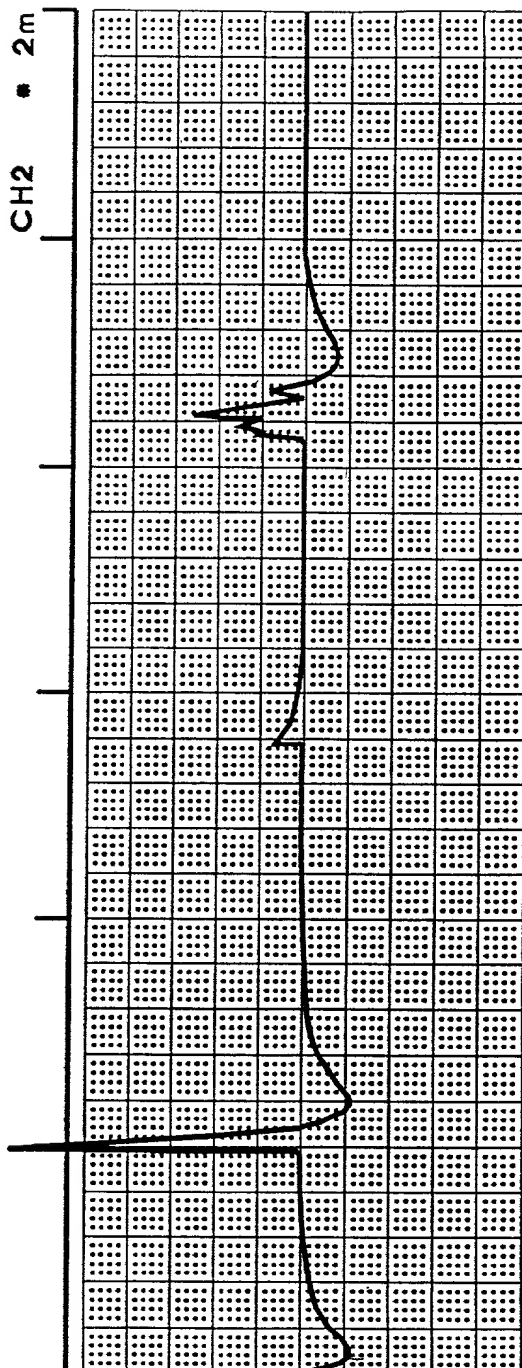
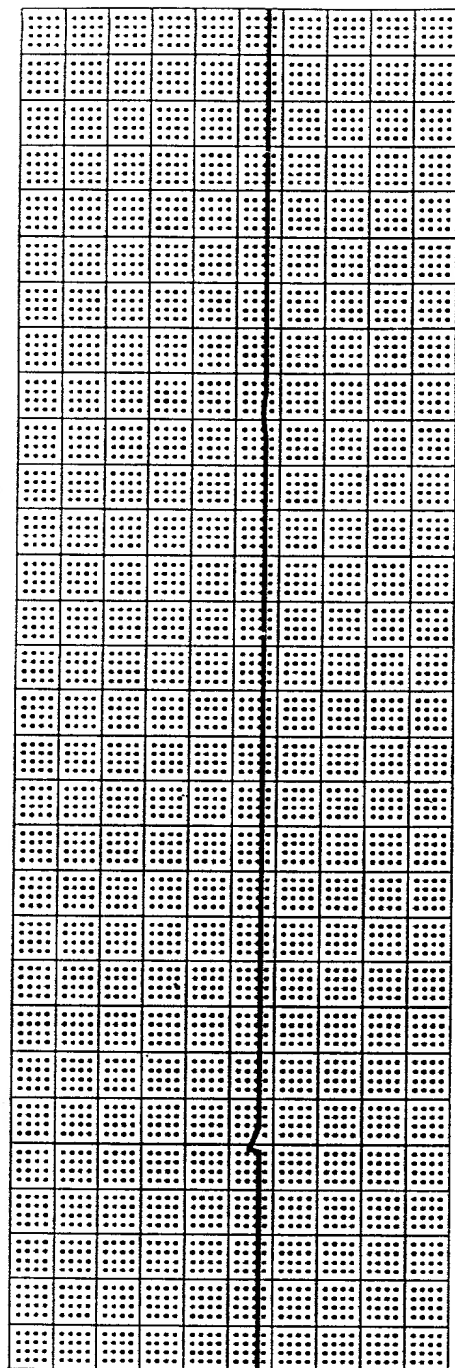
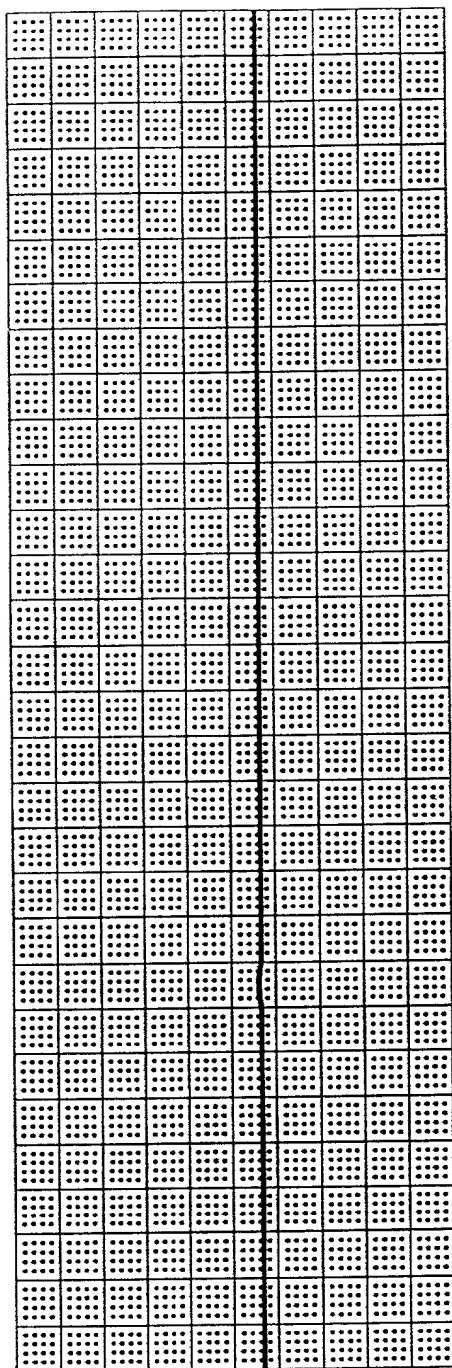


FIG. 10X

FO8280" T5ET4660

V/div*ZS OFF*FILTER ON *P-P*DC <10:55:10 *08 DEC 95 *SPD: 25 MM



V/div*ZS OFF*FILTER ON *P-P*DC

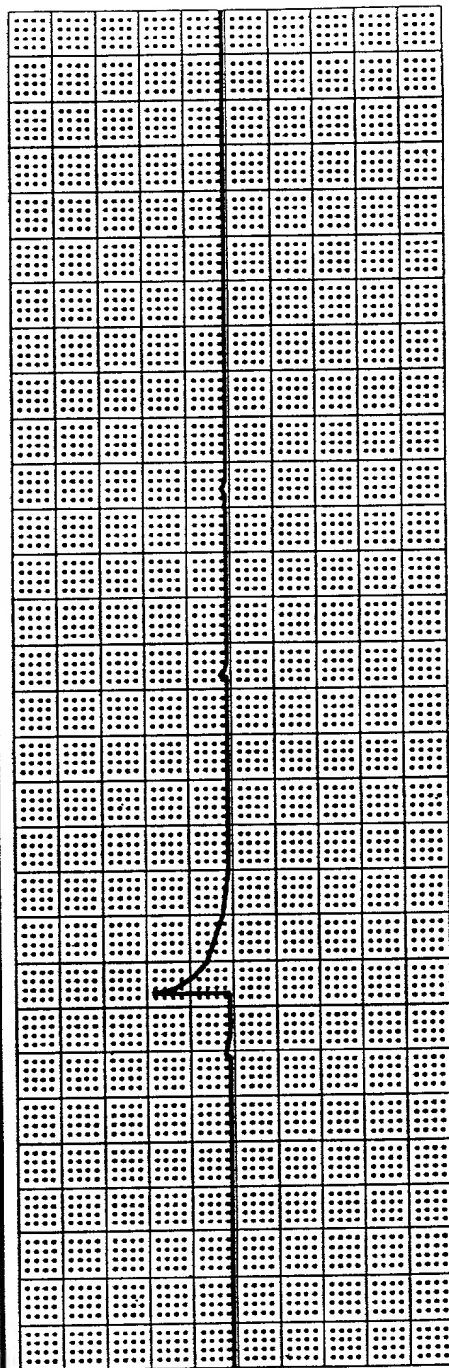
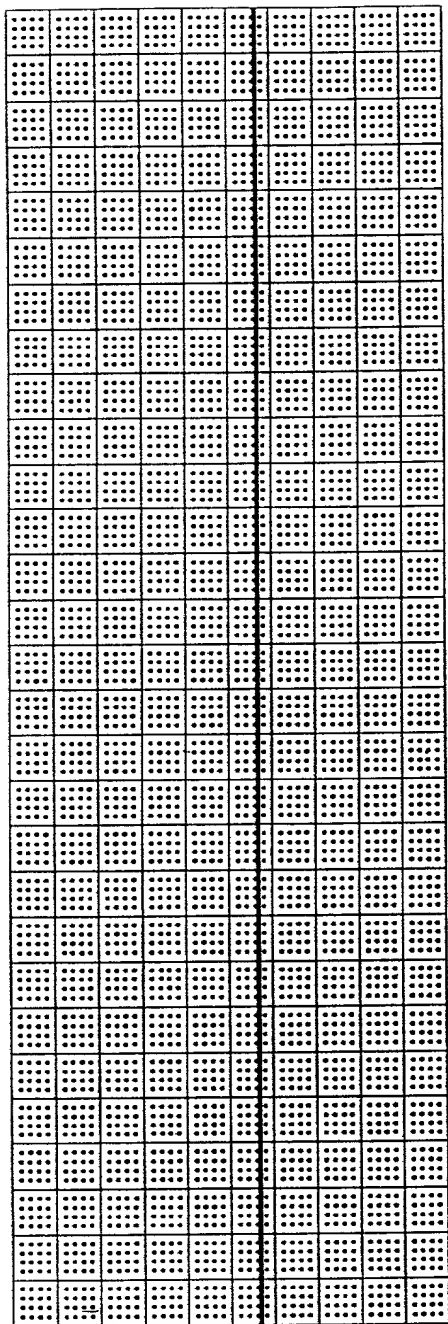


FIG. 10Y

TOP SECRET

/M (2.400 SEC/MM) CH1 • 0.1V/DIV • ZS OFF • FILTER ON • P-P • DC



CH2 • 2mV/DIV • ZS OFF • FILTER ON • P-P • DC

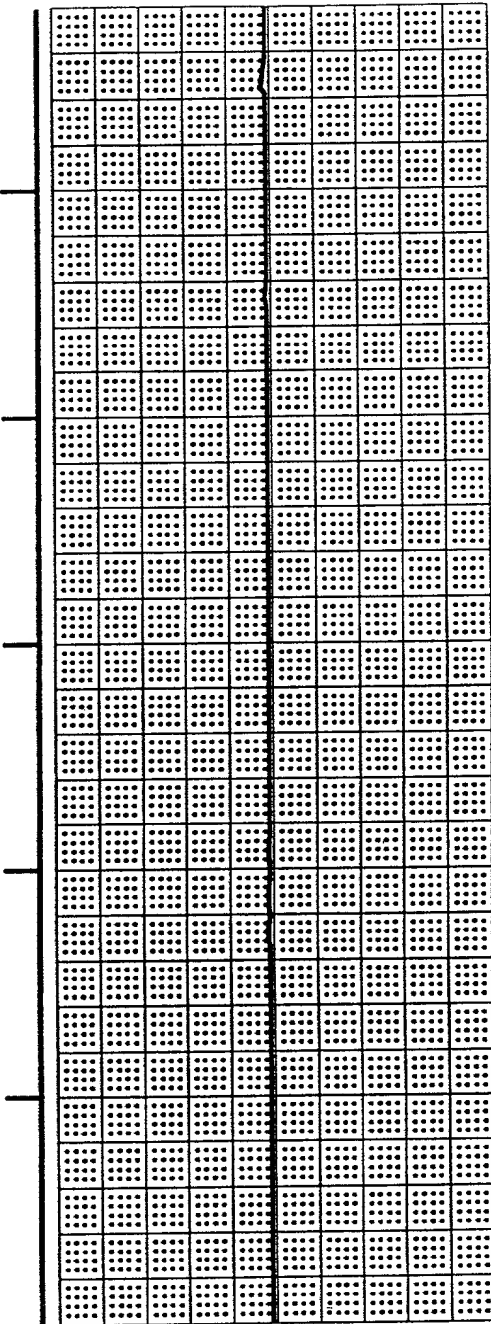
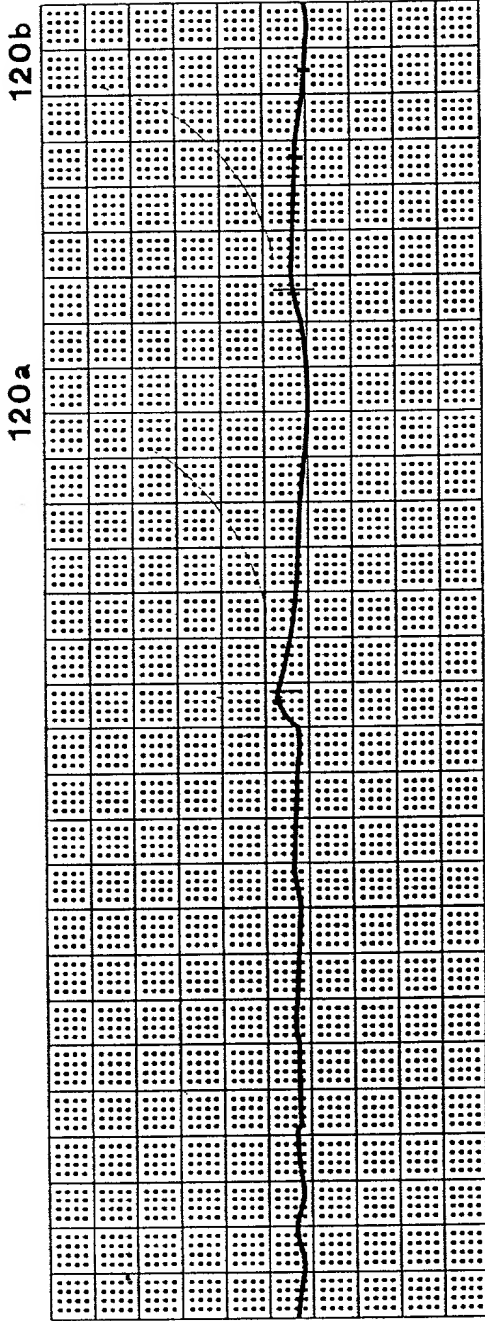


FIG. 10Z

FOR280" T6E74560

* 5mV/div*ZS OFF*FILTER OFF*P-P*DC <03:08:09 * 10 DDC 01 *SPD



* 20mV/div*ZS OFF*FILTER OFF*P-P*DC

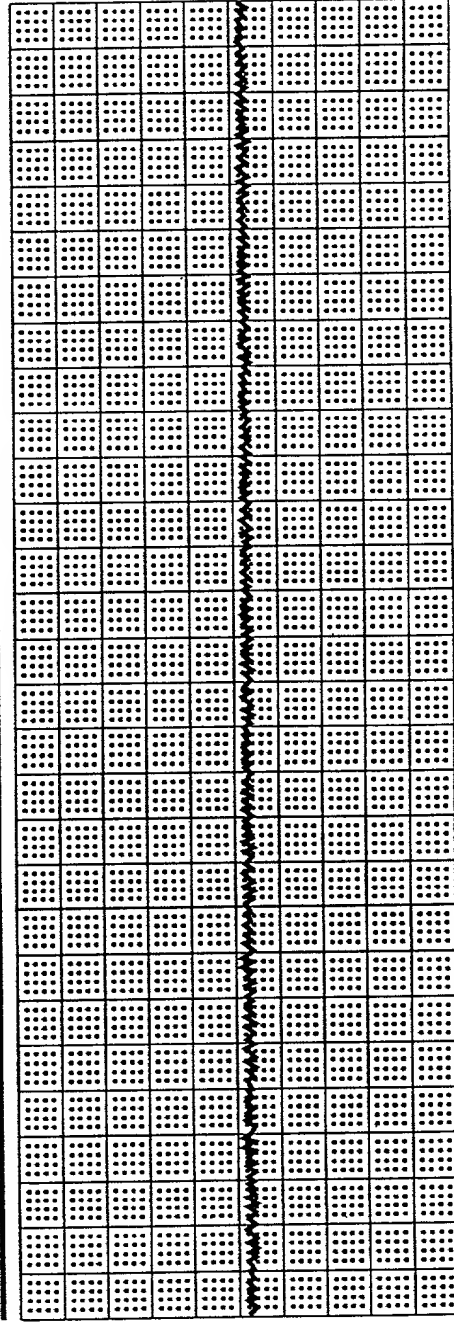
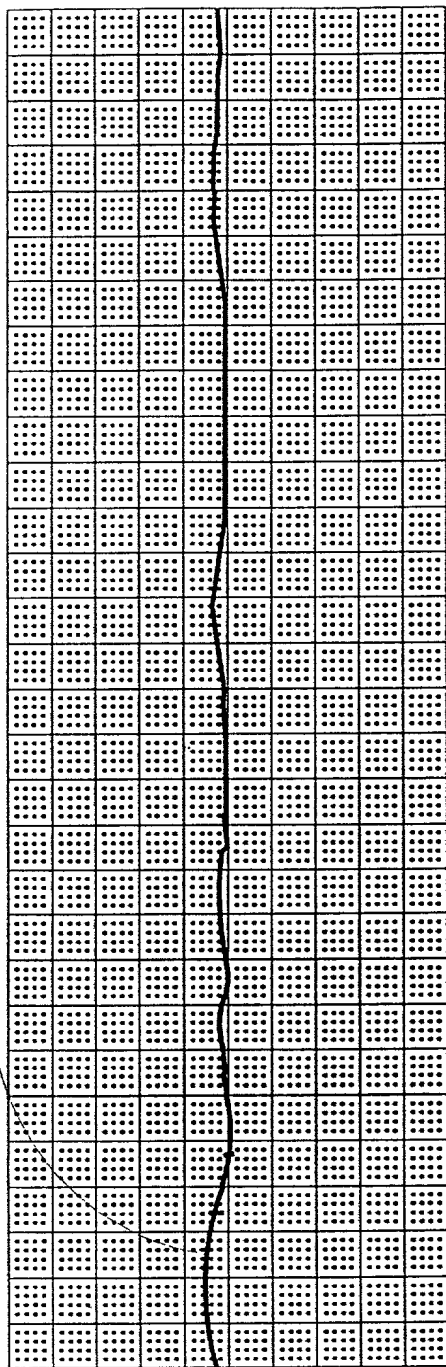


FIG. 11A

: 25 MM/M (2.400 SEC/MM) CH1 * 5mV/div*ZS OFF*FILTER OFF*P-P*DC

130



CH2 * 20mV/div*ZS OFF*FILTER OFF*P-P*DC

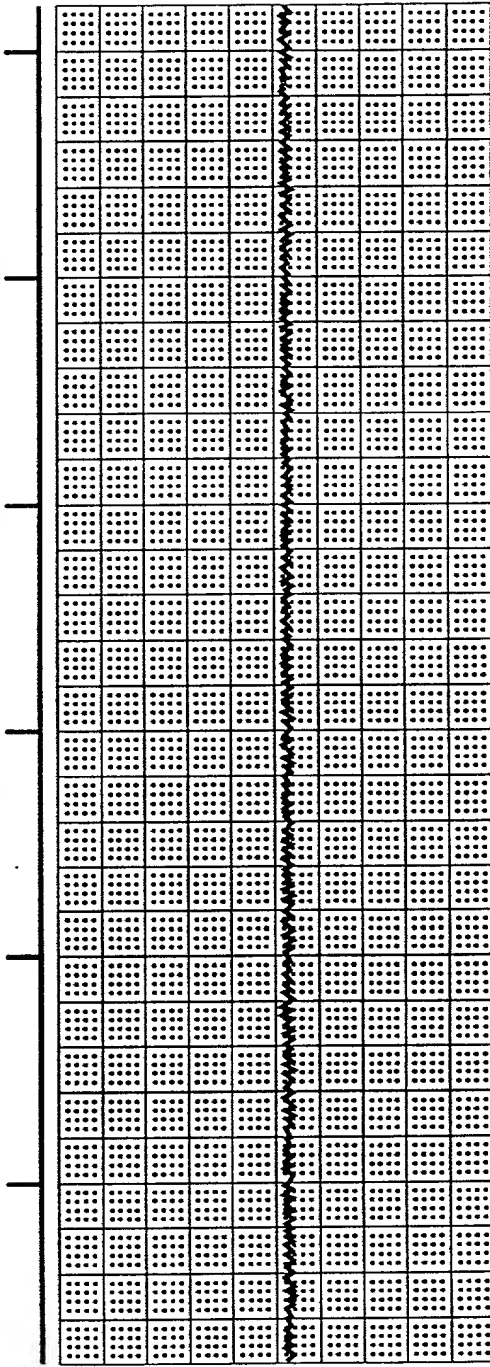


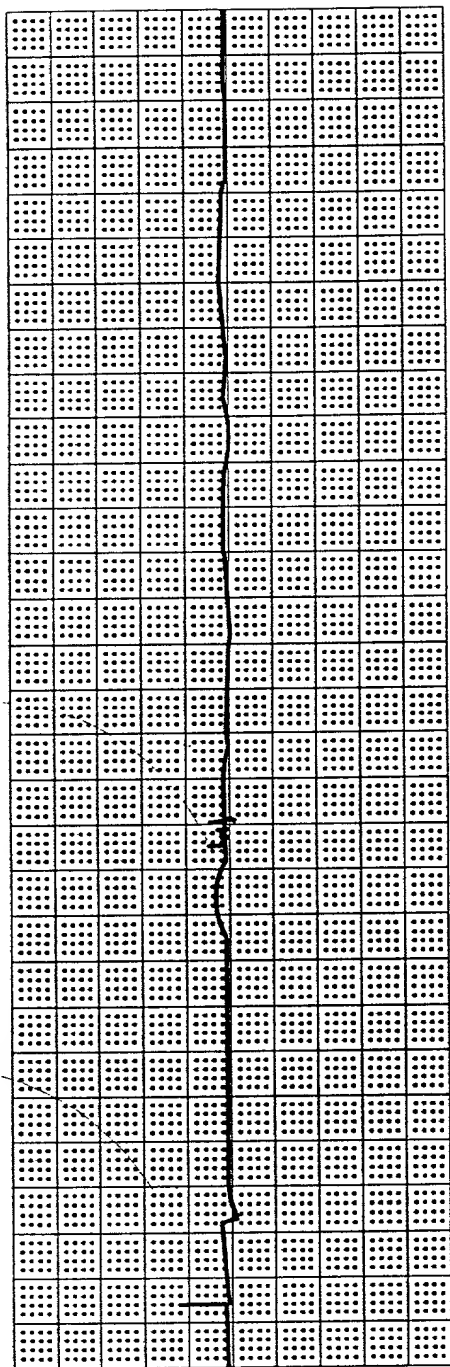
FIG. 11B

TE380" TETH650

<03:16:49 *10 DEC 01 *SPD: 25 MM/M (2.400 SEC/MM) CH1 *

120c

120d



CH2 *

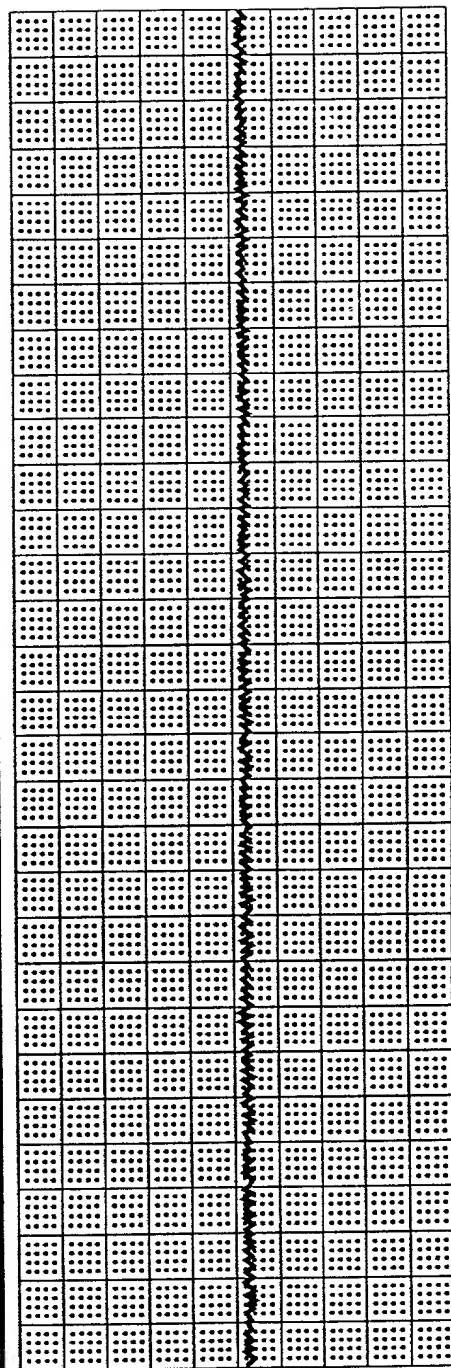
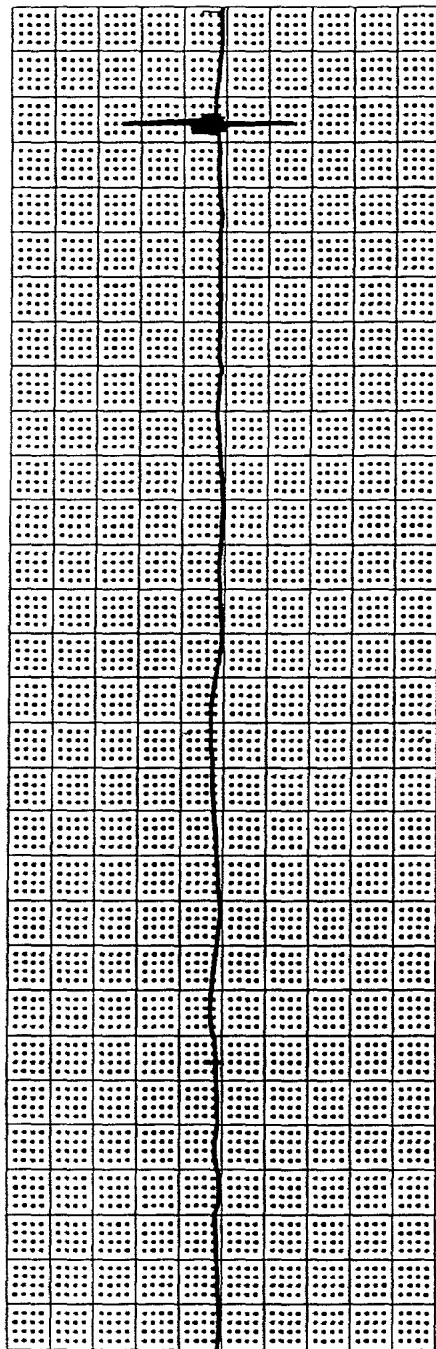


FIG. 11C

FOR 280 * T6E F4500

5mV/div*ZS OFF*FILTER OFF*P-P*DC <03:25:30 *10 DEC 01 *SPD: 25



20mV/div*ZS OFF*FILTER OFF*P-P*DC

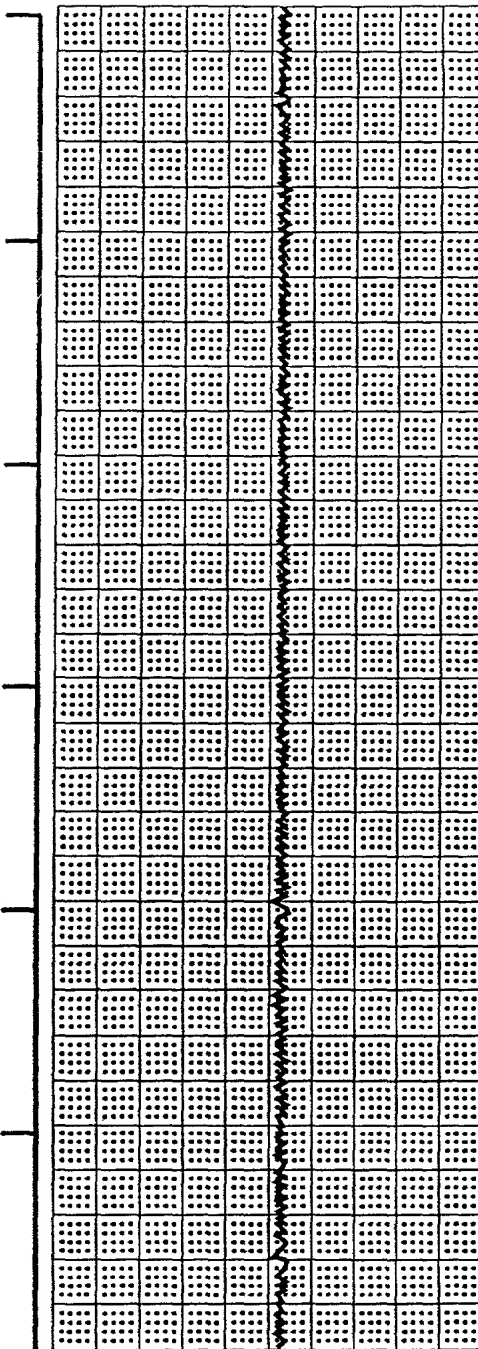
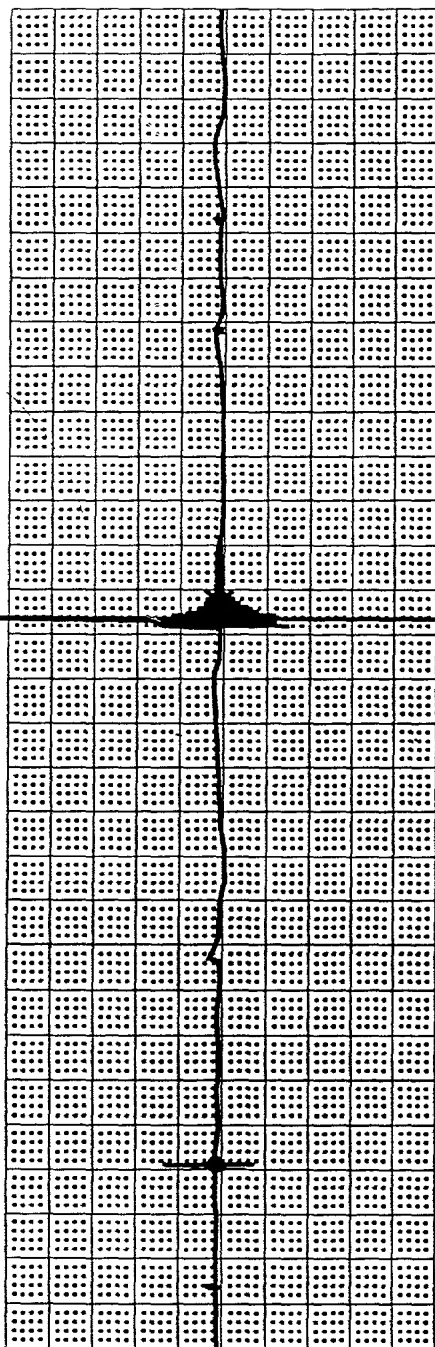


FIG. 11D

TE3230-TEF660

MM/M (2.400 SEC/MM) CH1 * 5mV/div*ZS OFF*FILTER OFF*P-P*DC

124



CH2 * 20mV/div*ZS OFF*FILTER OFF*P-P*DC

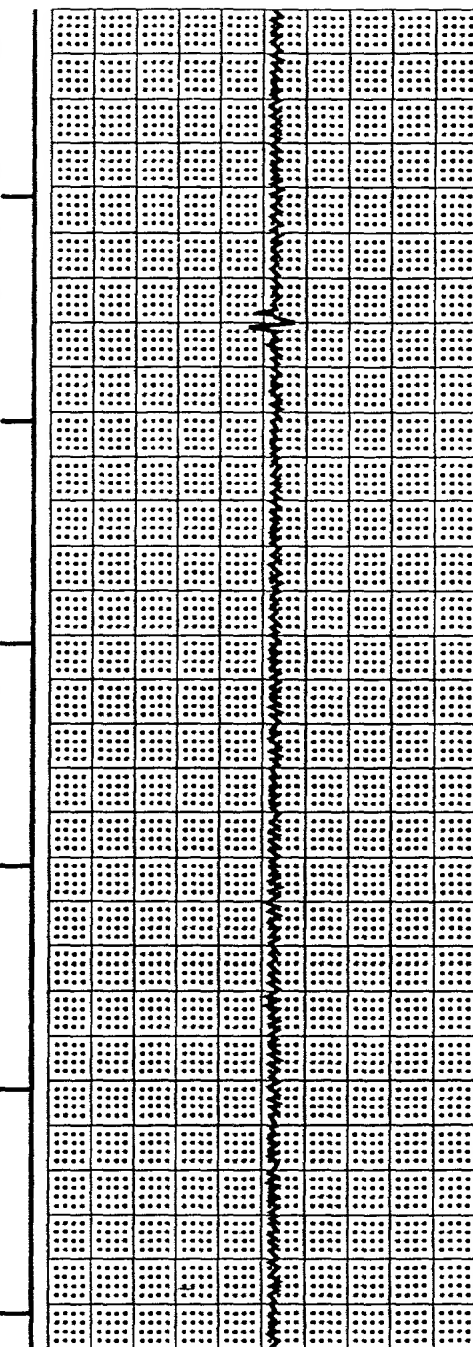
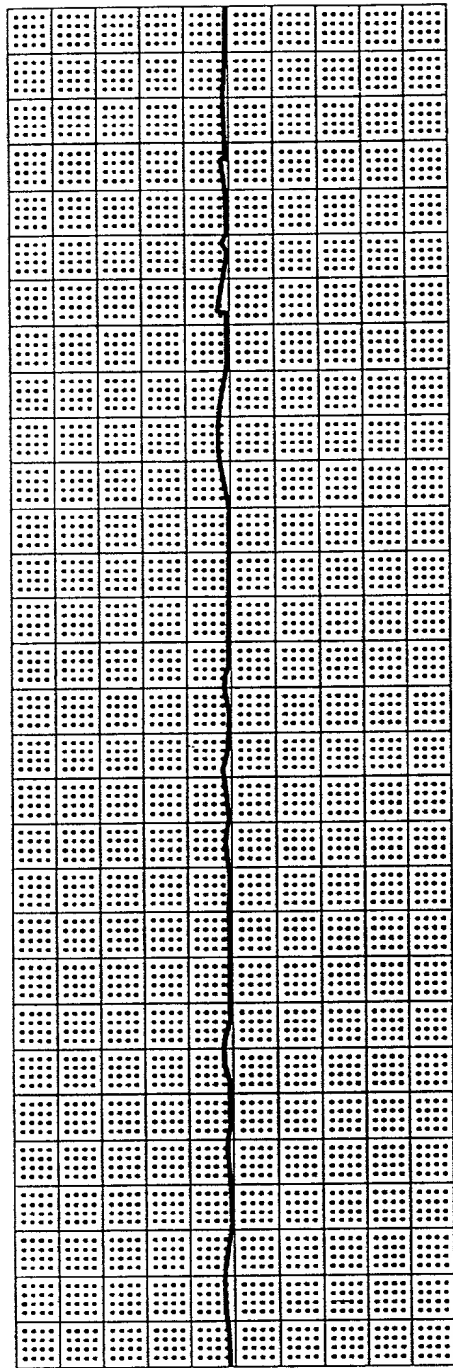


FIG. 11E

TOP320" T6E F4660

<03:34:11 *10 DEC 01 *SPD: 25 MM/M (2.400 SEC/MM) CH1 * 5mV/



CH2 * 20mV/

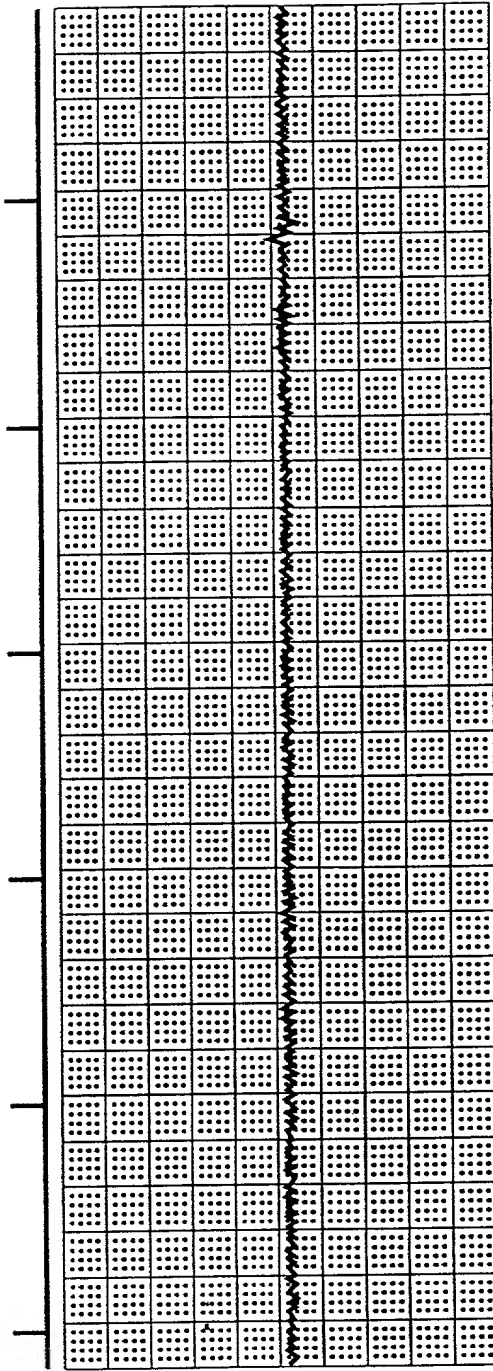
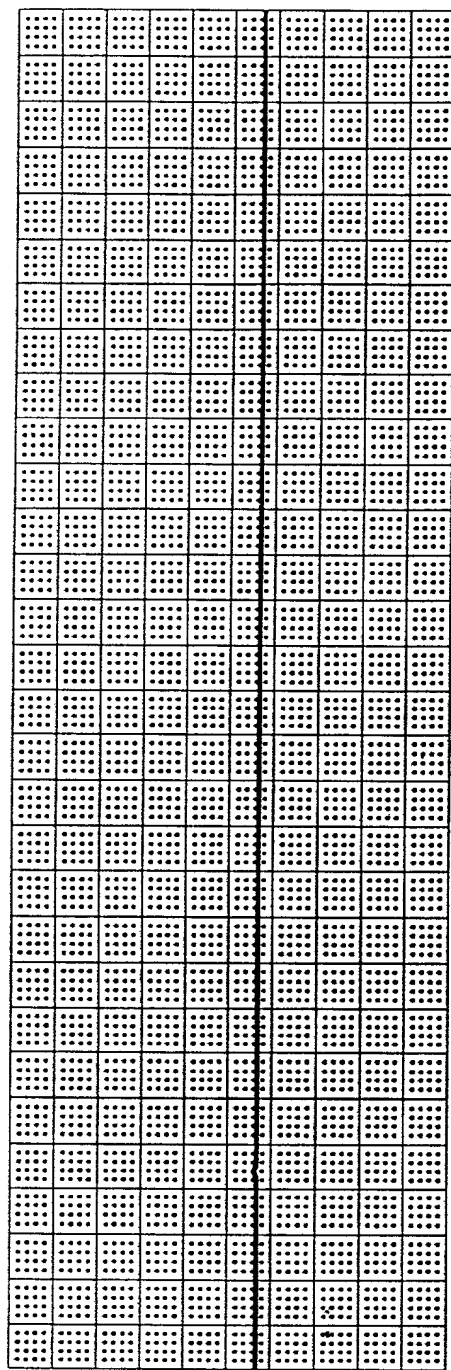


FIG. 11F

T0330" T6ET+650

P-P*DC <09:01:06 *08 DEC 95 *SPD: 25 MM/M (2.400 SEC/MM) CH1



P-P*DC 124a 124b CH2

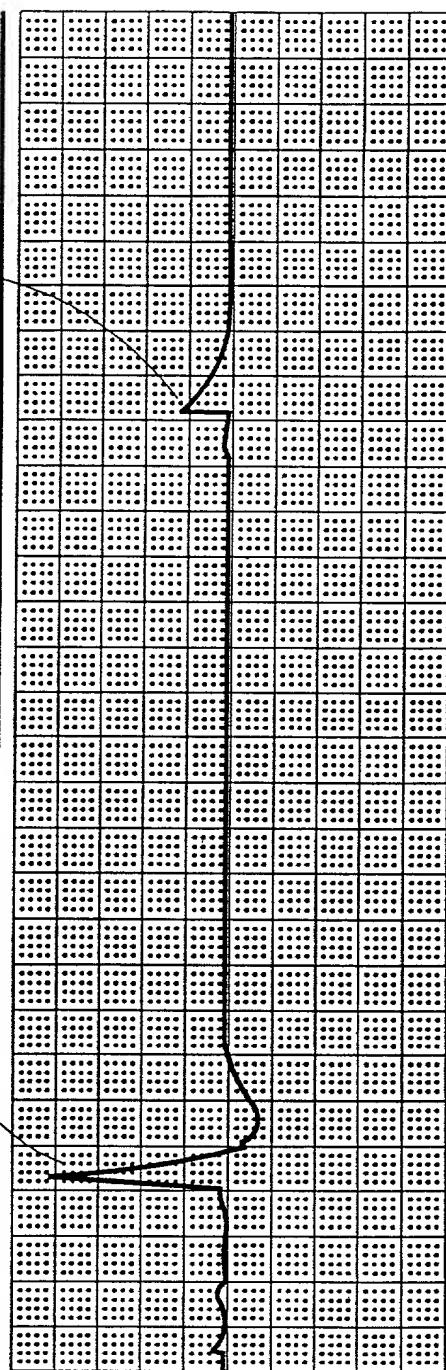
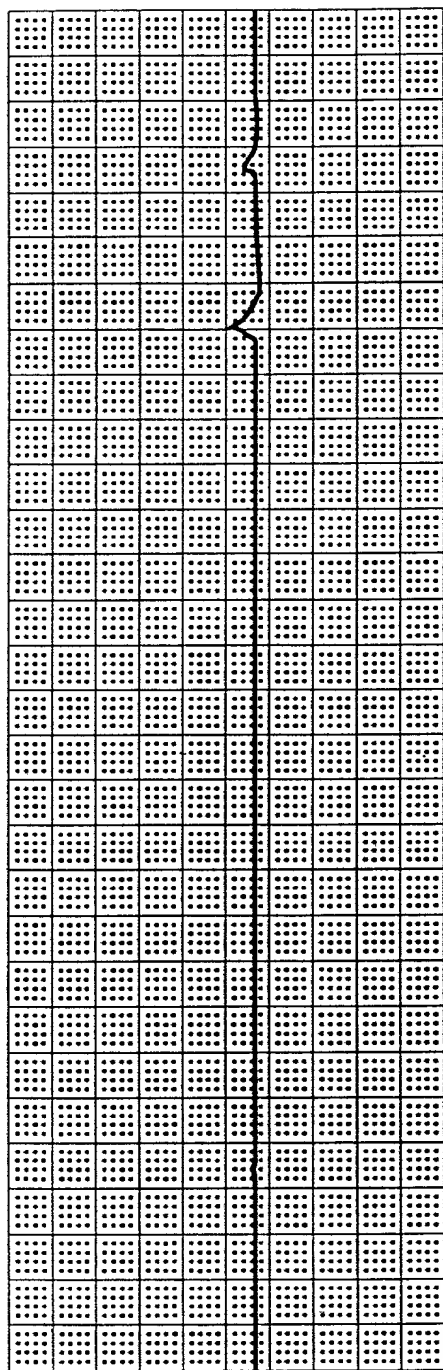


FIG. 12A

TD3280" T6E T+650

* 0.1V/div*ZS OFF*FILTER ON *P-P*DC <09:09:47 *08 DEC 95 *SP



126a

* 2mV/div*ZS OFF*FILTER ON *P-P*DC

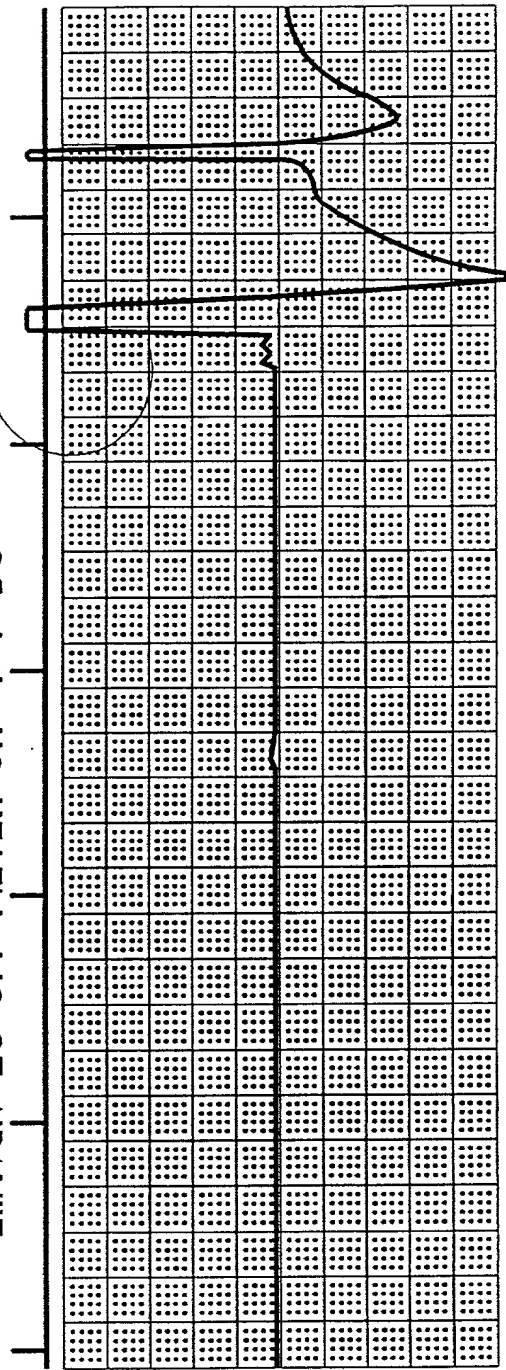


FIG. 12B

TOP SECRET

<09:35:49 *08 DEC 95 *SPD: 25 MM/M (2.400 SEC/MM) CH1 * 0.1V/di

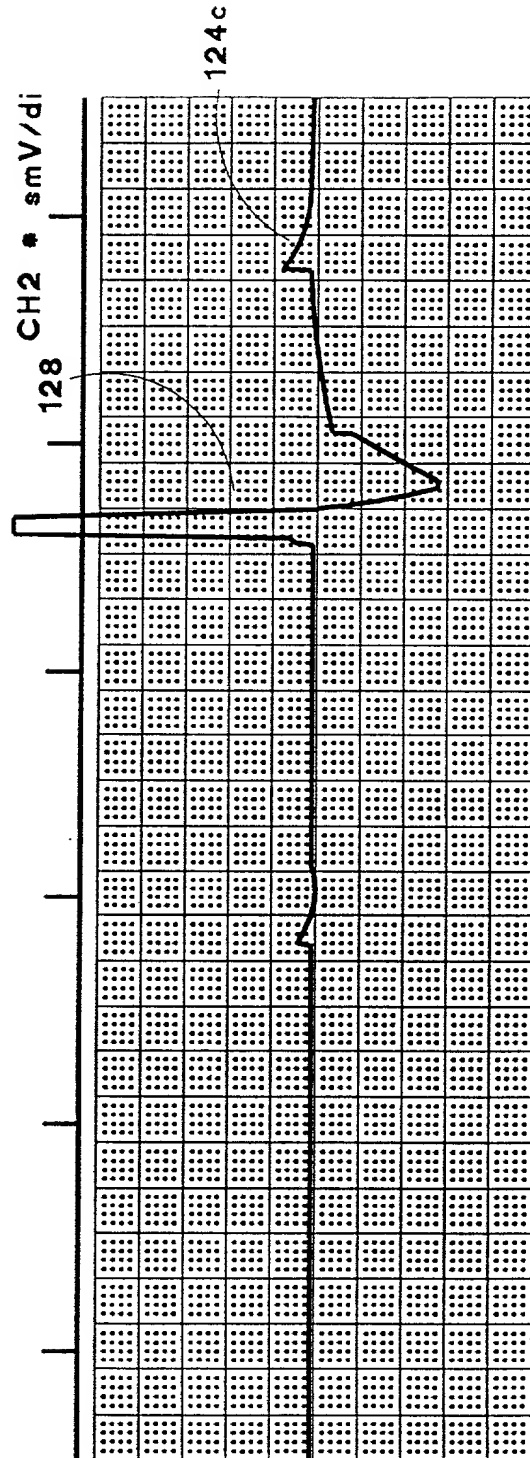
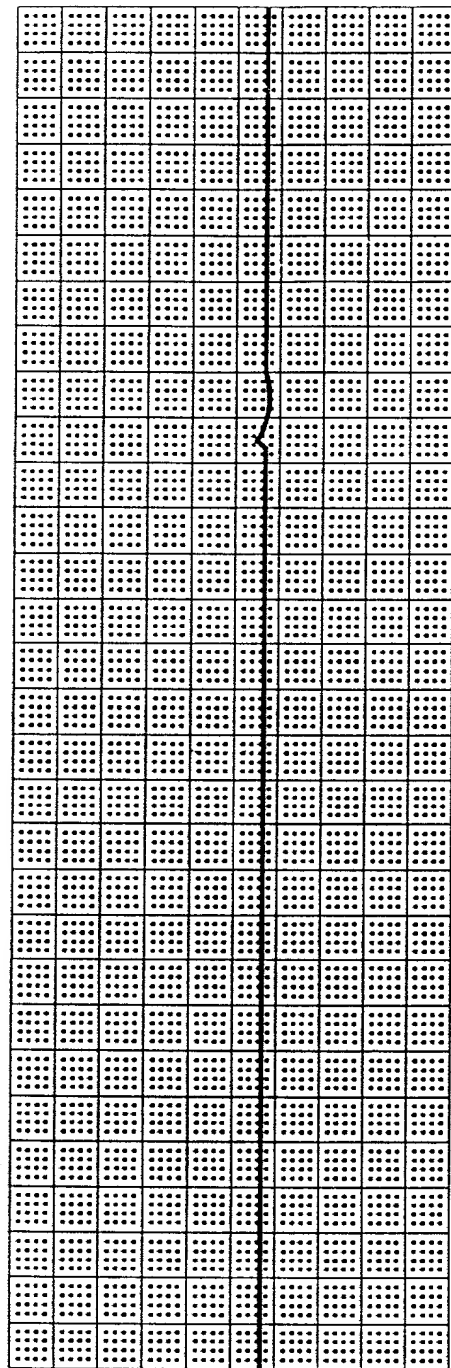
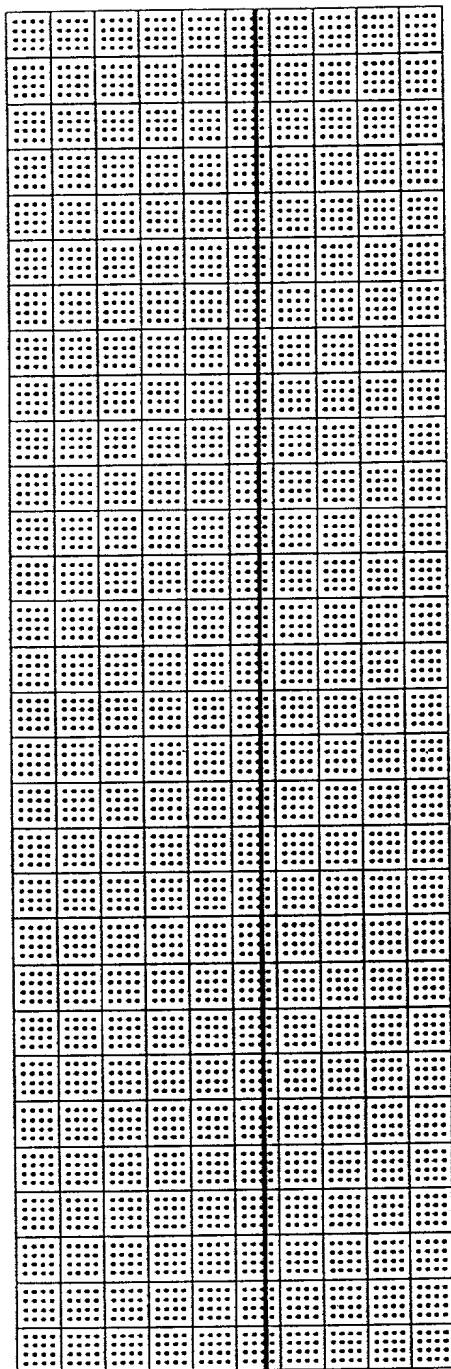


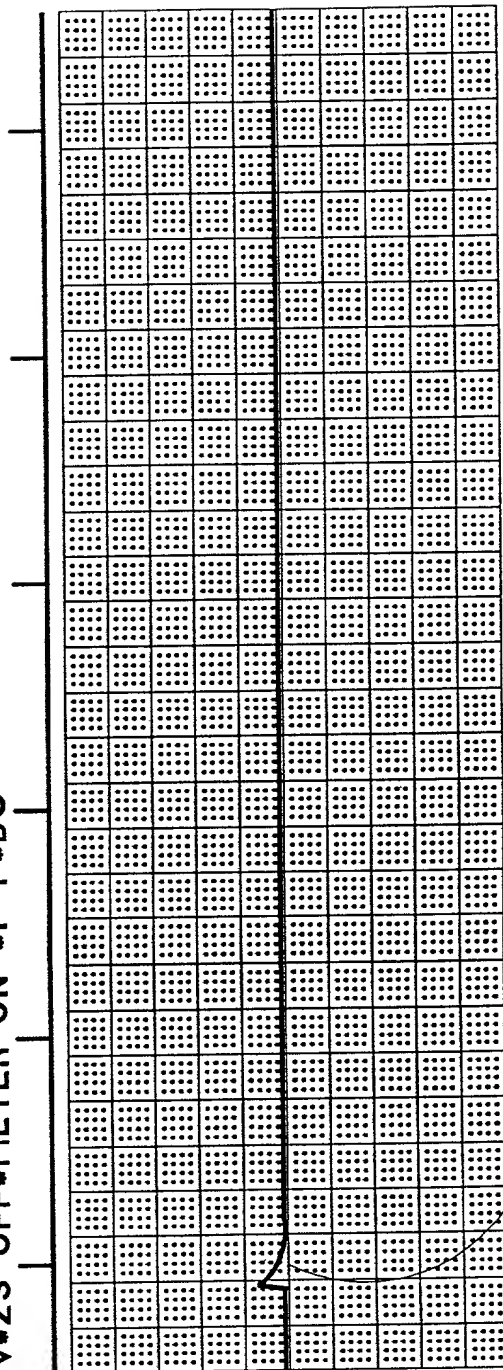
FIG. 12C

108230" T6E14660

V*ZS OFF*FILTER ON *P-P*DC <09:44:29 *08 DEC 95 *SPD: 25 MM/M



V*ZS OFF*FILTER ON *P-P*DC

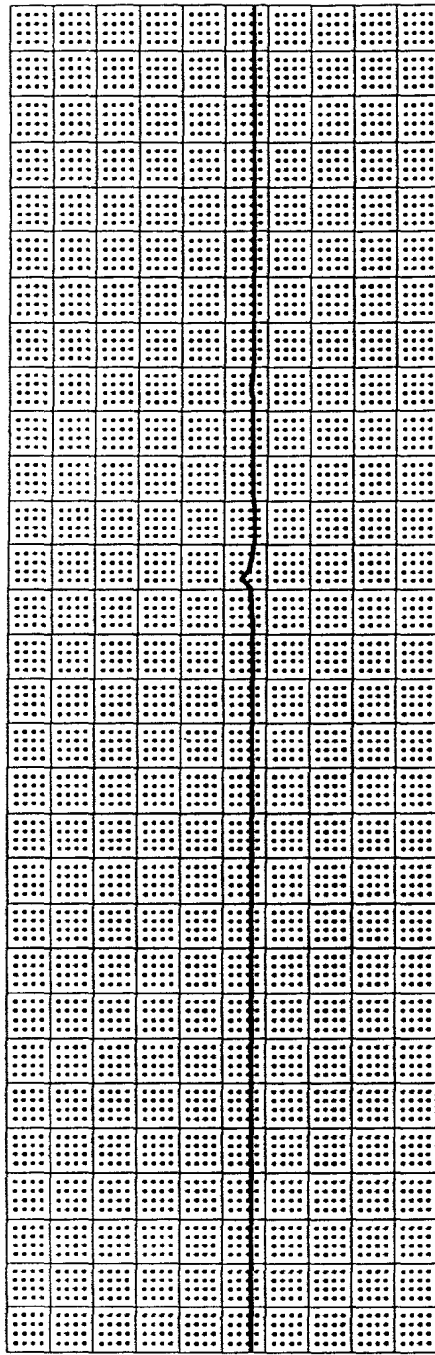


124d

FIG. 12D

TE880" T6E T4650

58 *08 DEC 95 *SPD: 25 MM/M (2.400 SEC/MM) CH1*0.1V/div*ZS OFF*



CH2 * 2mV/div*ZS OFF*

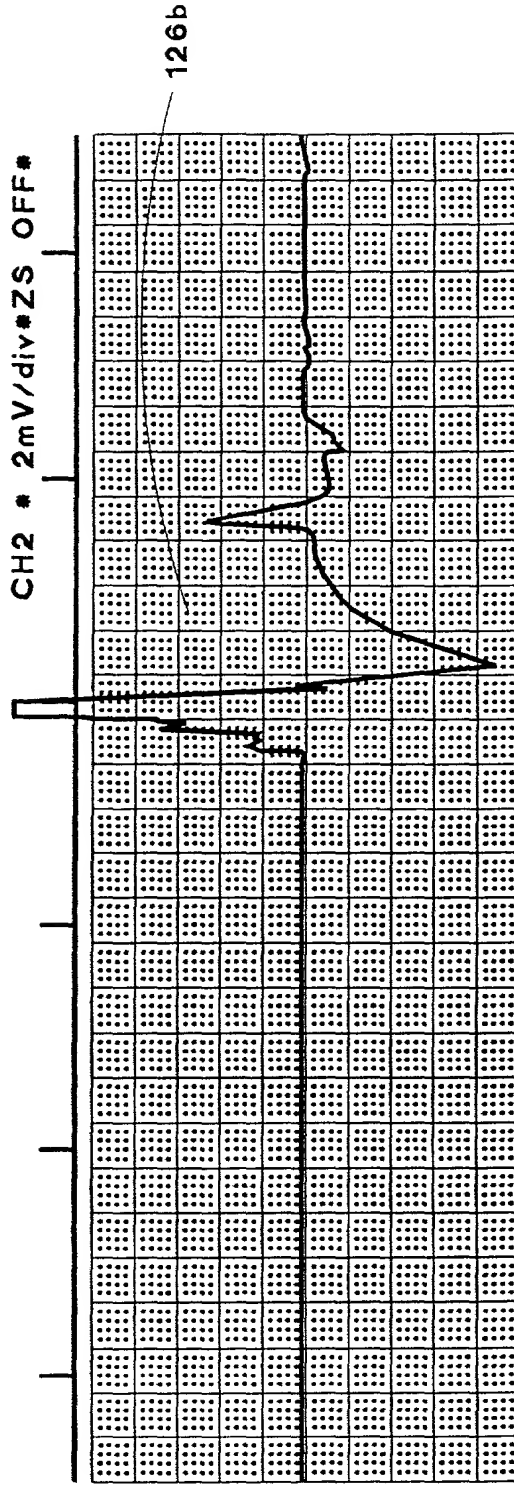
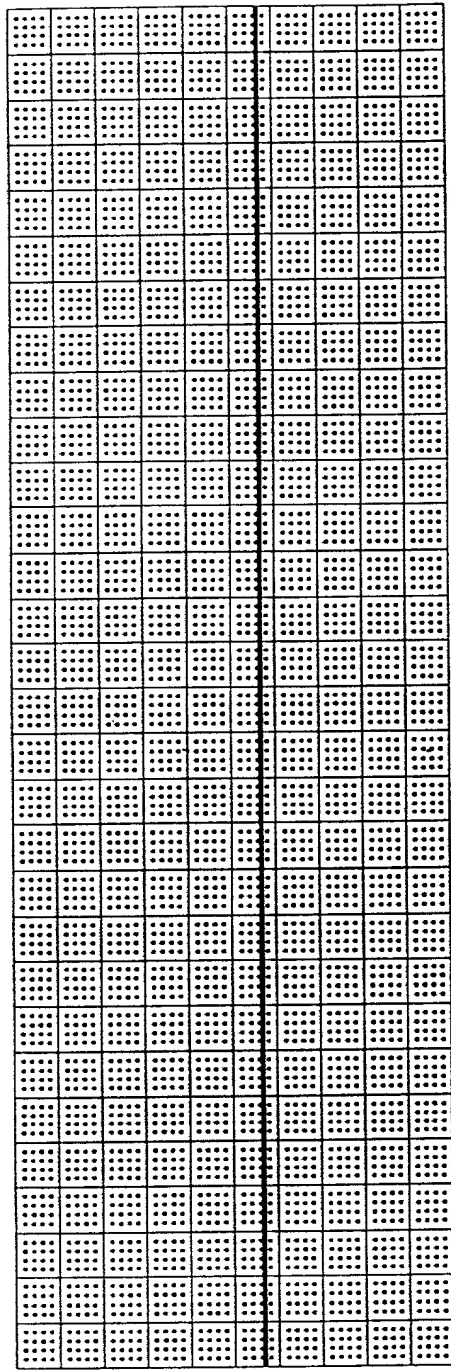


FIG. 12E

FO8280" T6ET+660

FILTER ON *P-P*DC <11:54:39 *08 DIC 95 *SPD: 25 MM/M (2.400 SEC



FILTER ON *P-P*DC

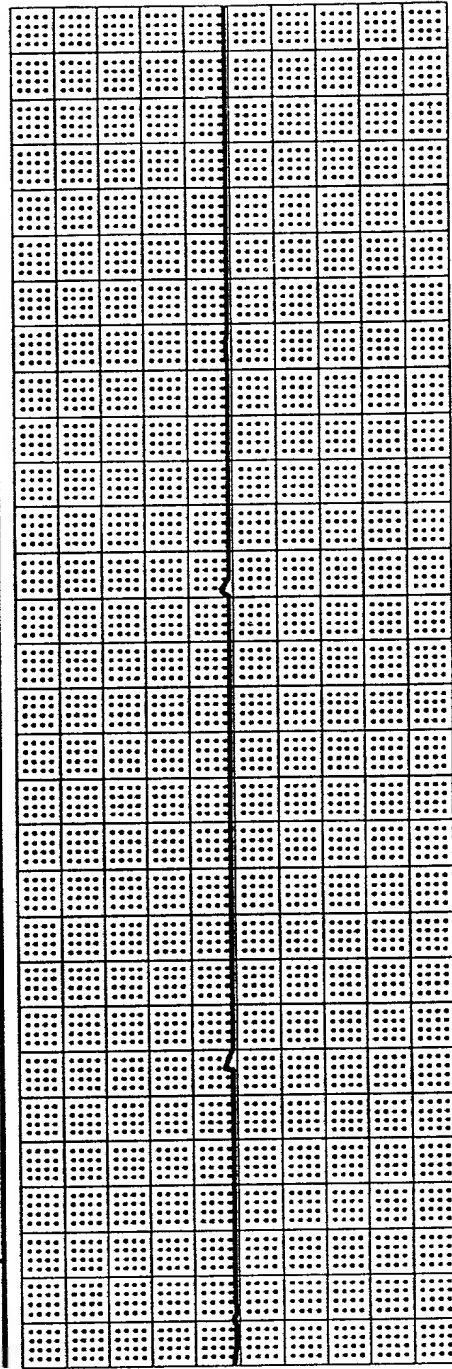
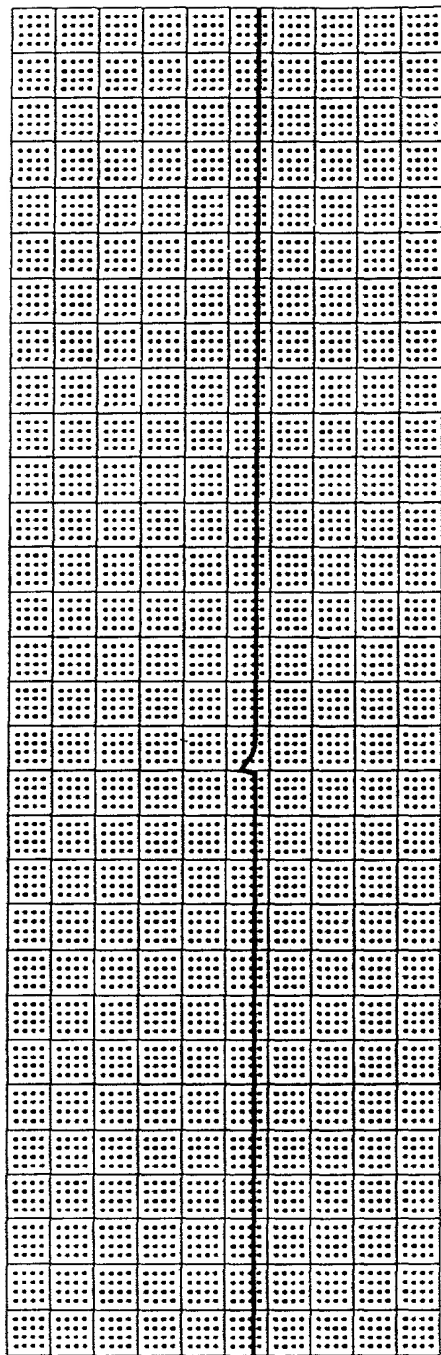


FIG. 12F

FOR 20" T6E T45D

400 SEC/MM) CH1 * 0.1V/div*ZS OFF*FILTER ON *P-P*DC <11:21



CH2 * 2mV/div*ZS OFF*FILTER ON *P-P*DC

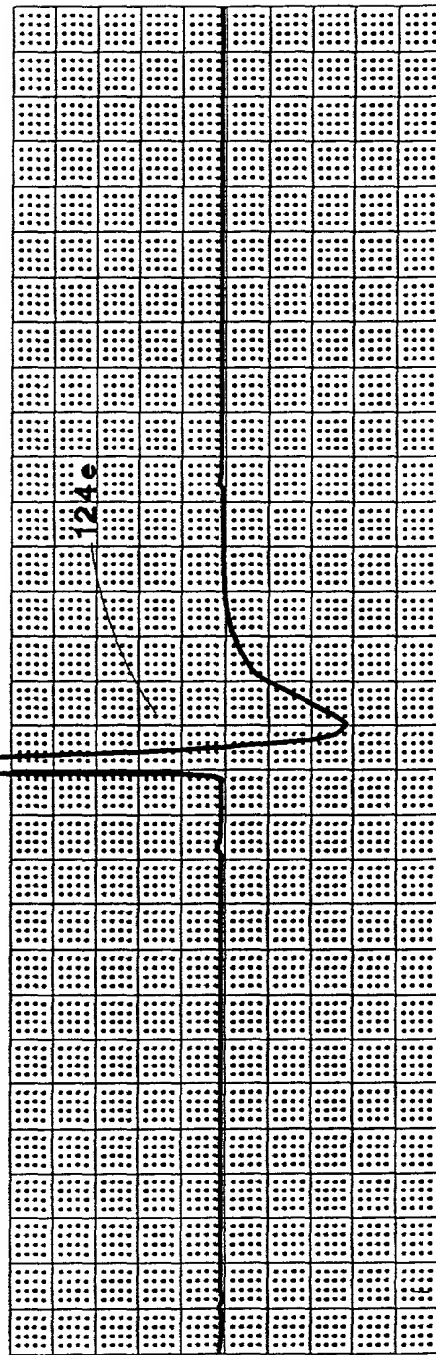
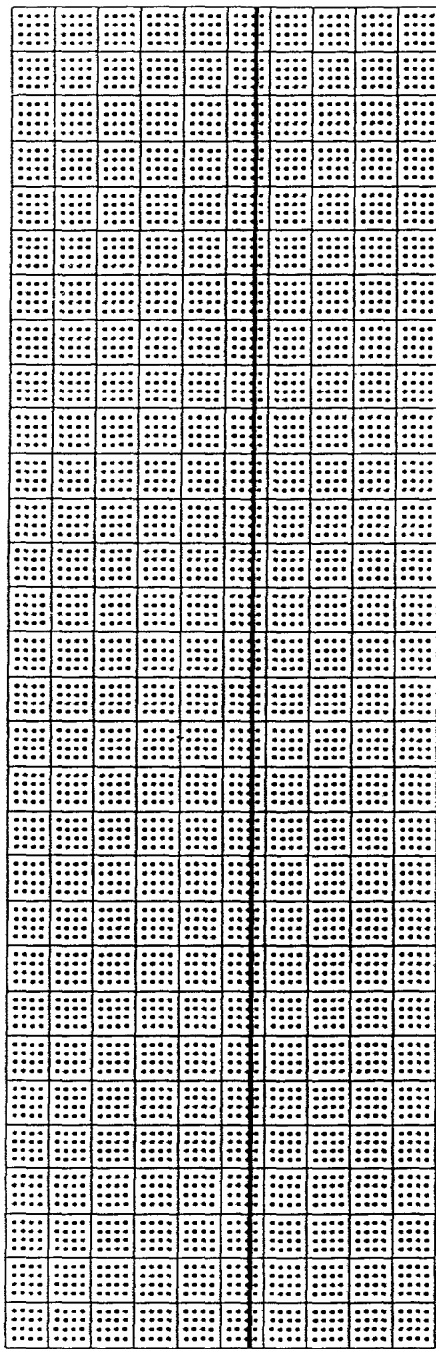


FIG. 12G

708280" TEEF4560

:12 *08 DEC 95 *SPD: 25 MM/M (2.400 SEC/MM) CH1 * 0.1V/div*ZS OFF



CH2 * 2mV/div*ZS OFF

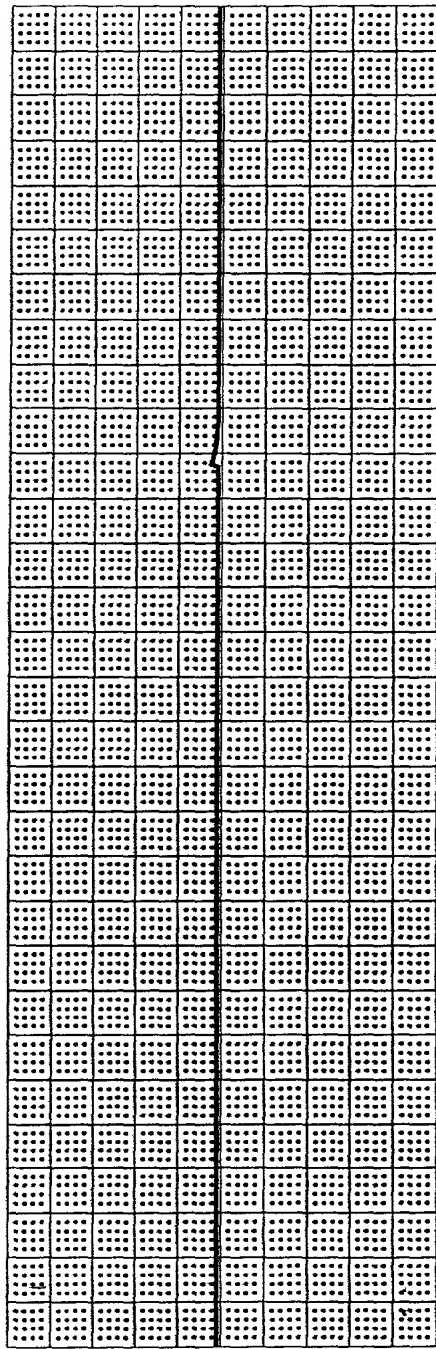
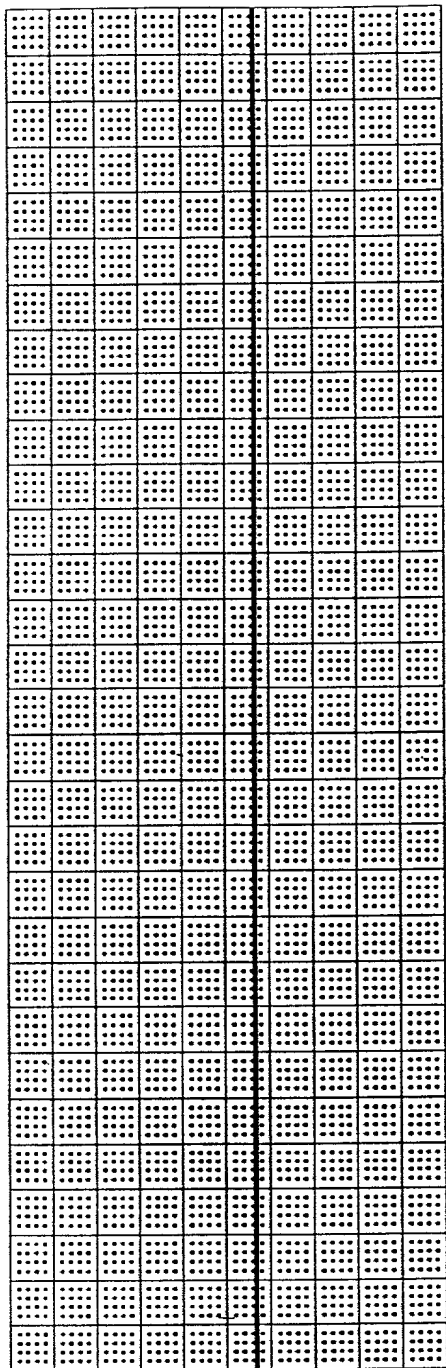


FIG. 12H

FO3280" T6ET4660

CH1 * 0.1V/div*ZS OFF*FILTER ON *P-P*DC <11:55:54 *08 DEC



CH2 * 2mV/div*ZS OFF*FILTER ON *P-P*DC

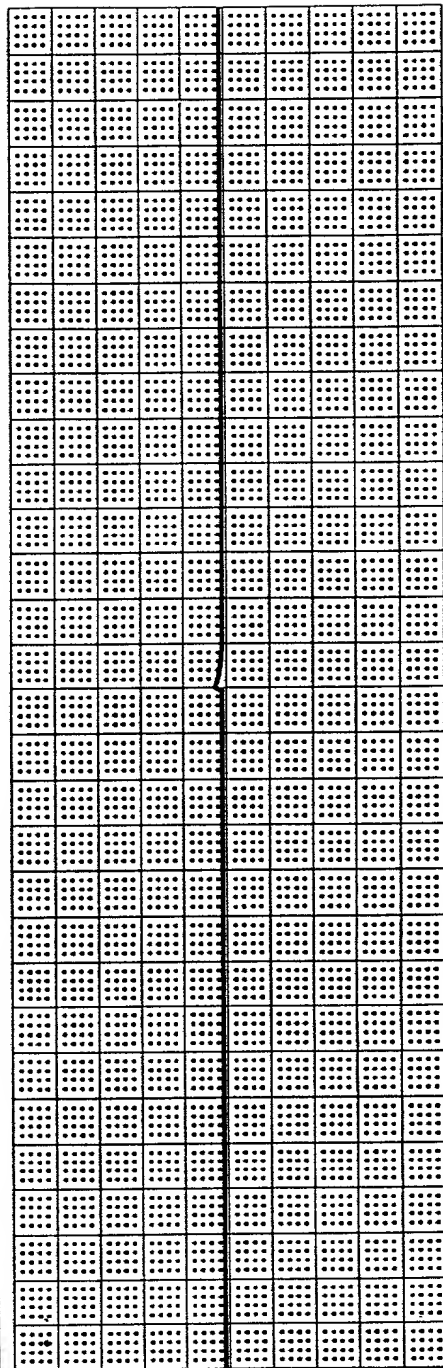


FIG. 121

FO8380 T6E74660

95 *SPD: 25 MM/M (2.400 SEC/MM) CH1 * 0.1V/div*ZS OFF*FILTER ON *

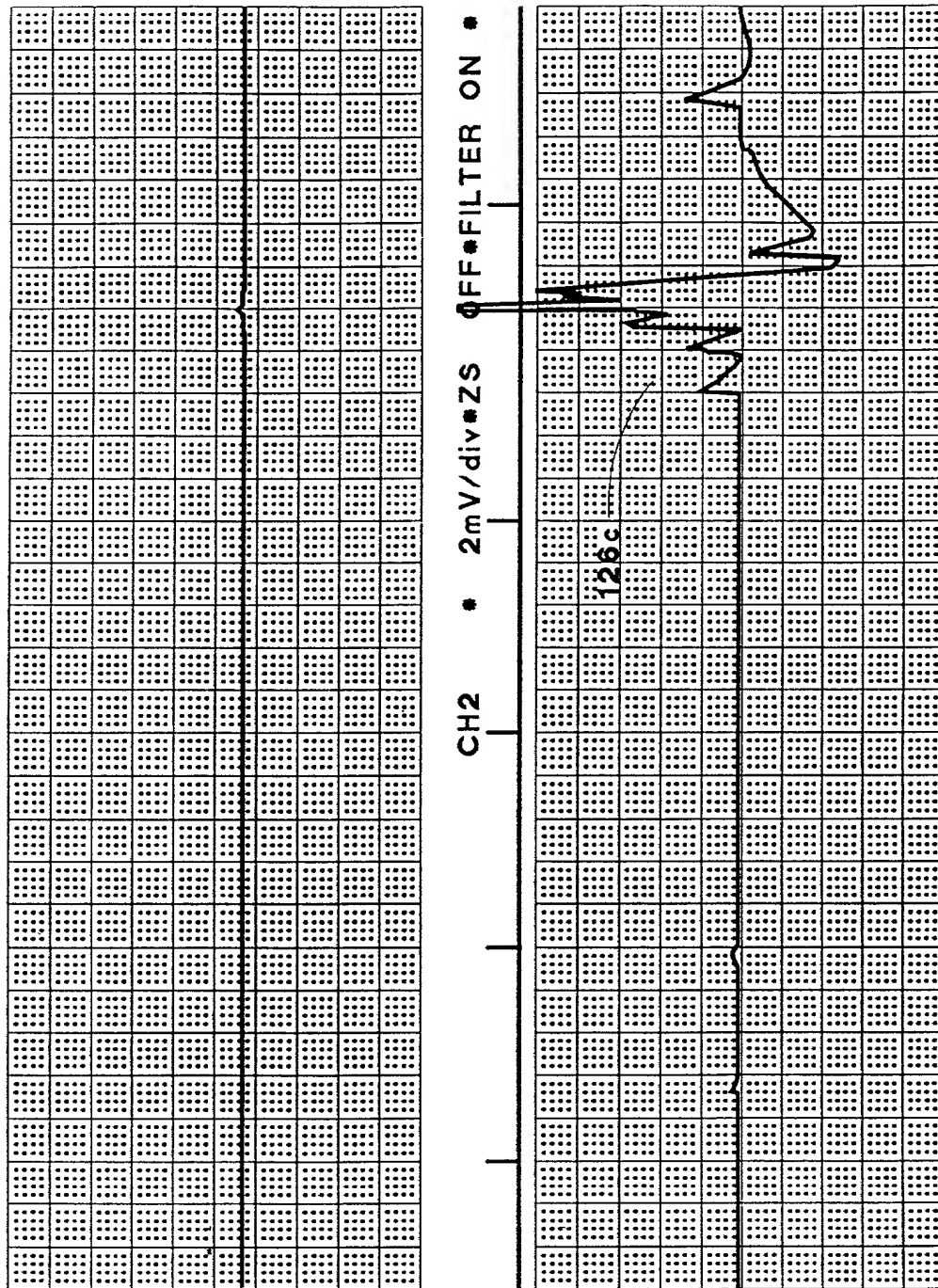
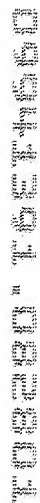
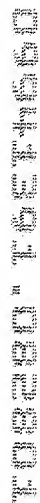
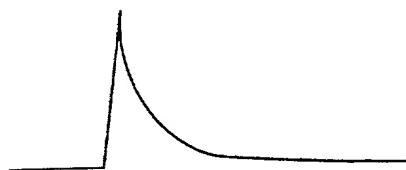


FIG. 12J

[illegible][illegible][illegible]



ION GENERATOR

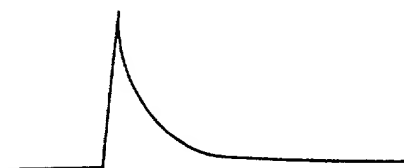


DETECTOR OUTPUT

FIG. 14

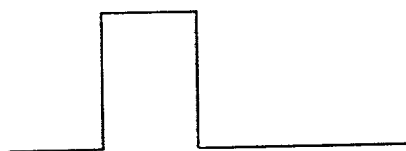


ION GENERATOR



DETECTOR OUTPUT

FIG. 15



ION GENERATOR



DETECTOR OUTPUT

FIG. 16

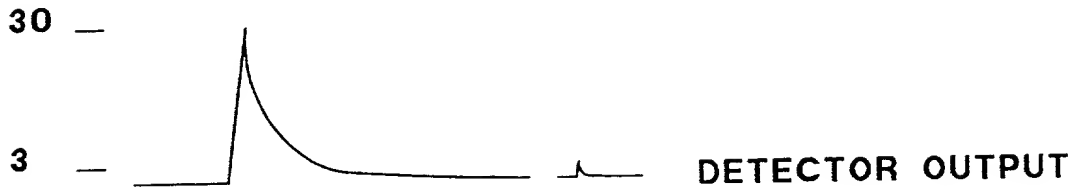
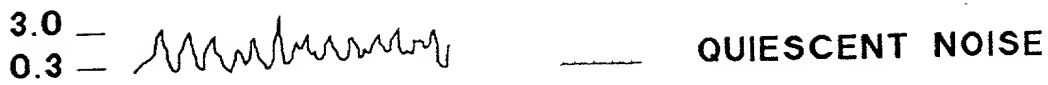


FIG. 17

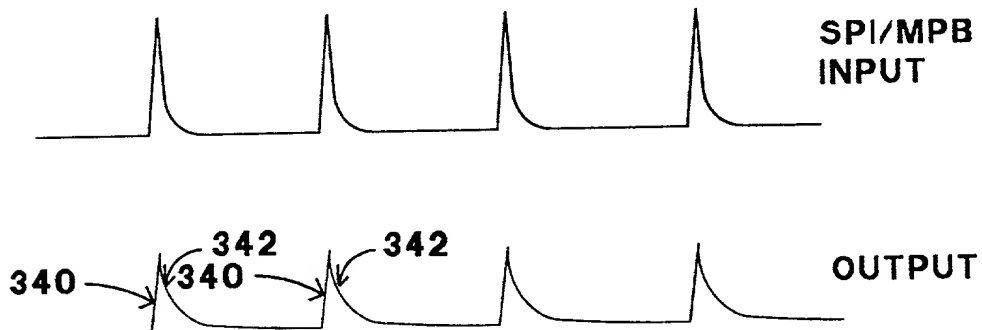


FIG. 20

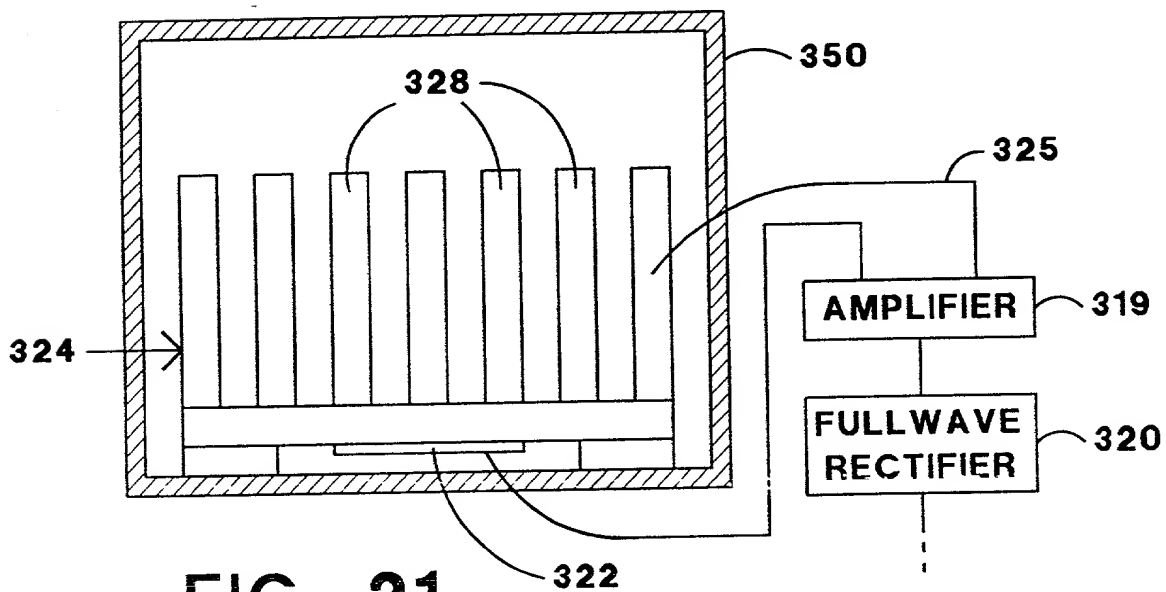


FIG. 21

FIG. 18

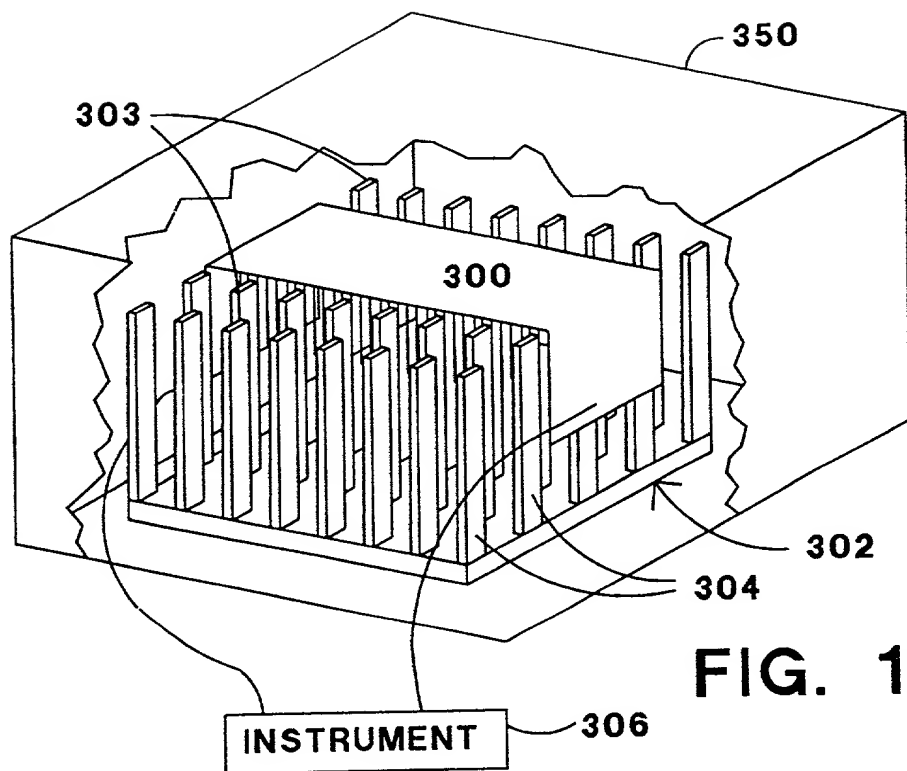


FIG. 18

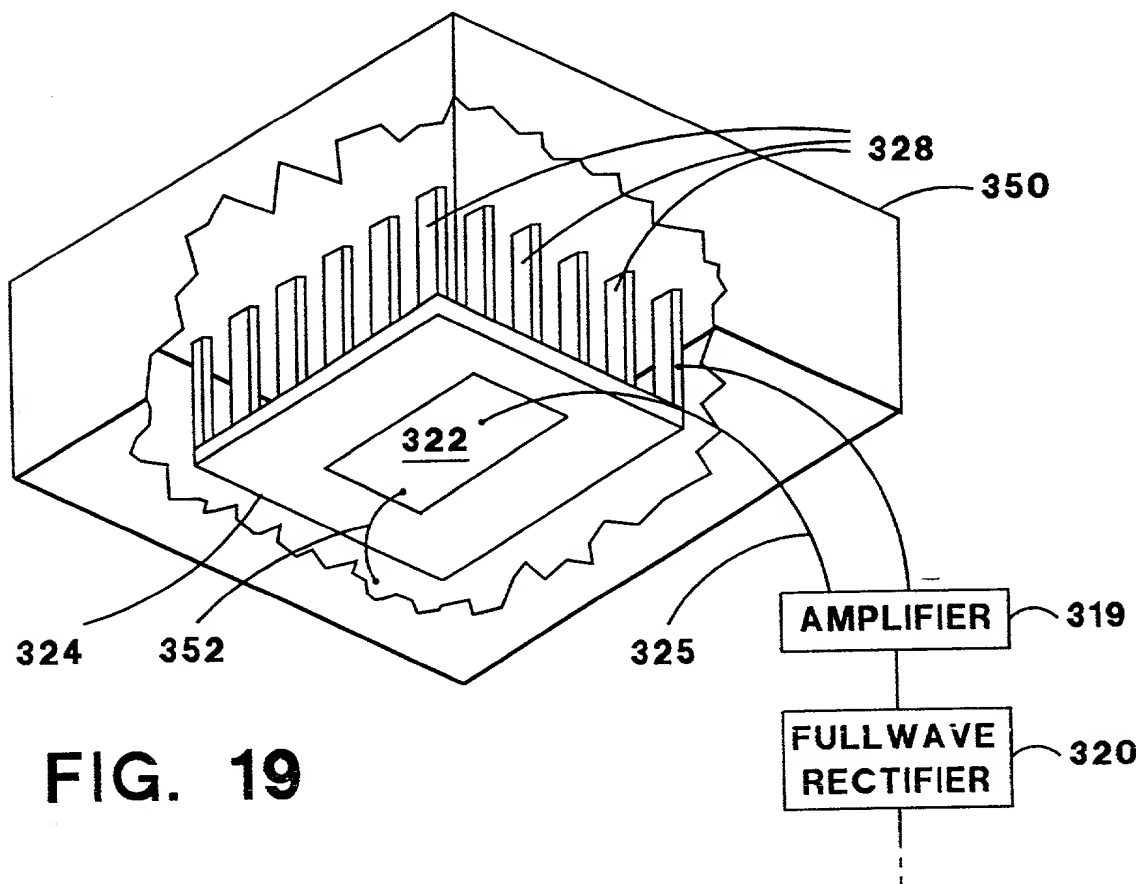


FIG. 19

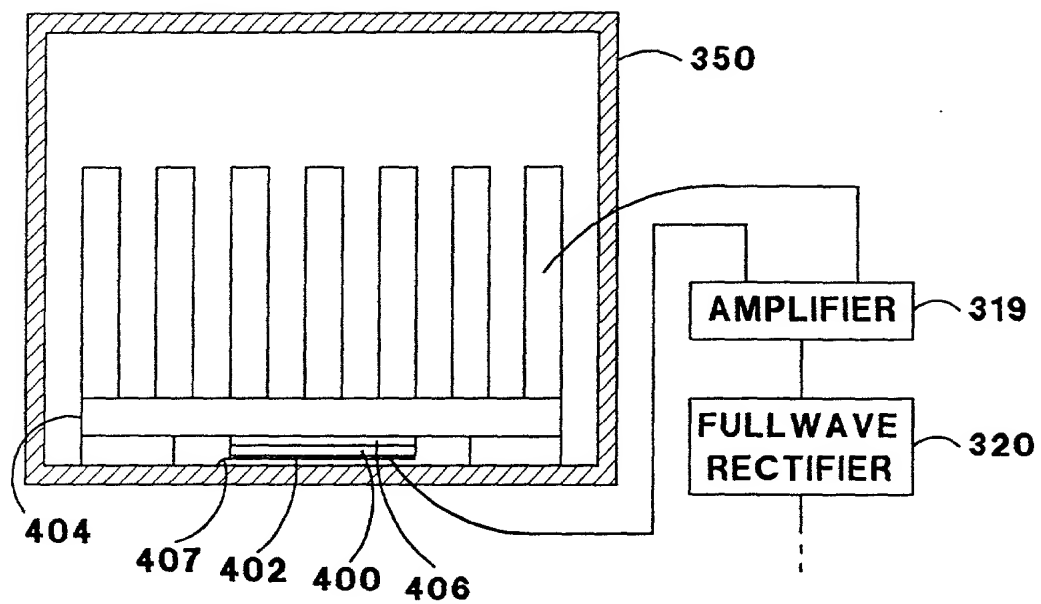


FIG. 22

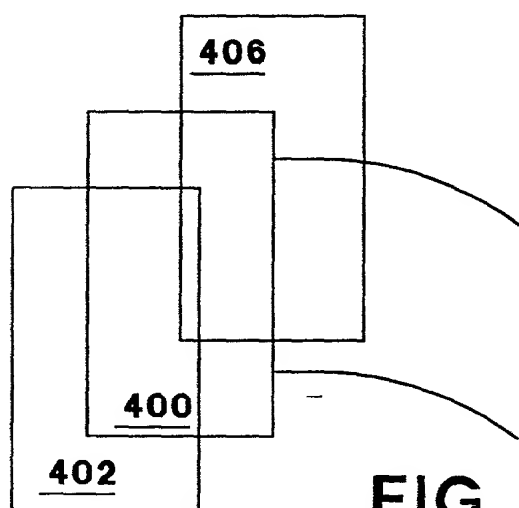
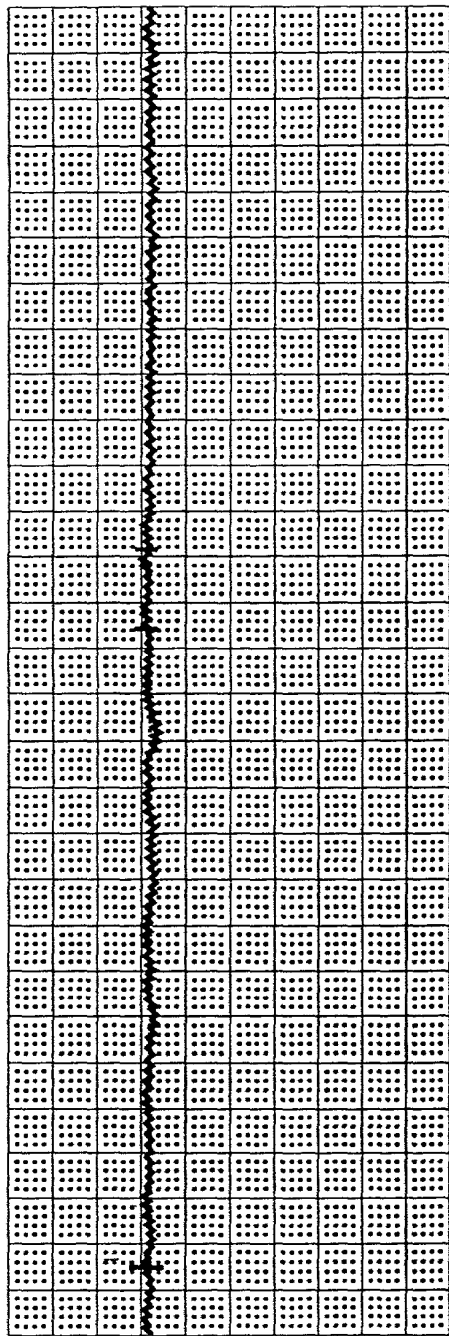


FIG. 23

FO8280" T6ET4660

NOV 97 *SPD: 25MM/M (2.400 SEC/MM) CH1*2mV/div*ZS OFF*FILTER



CH2*10mV/div*ZS OFF*FILTER

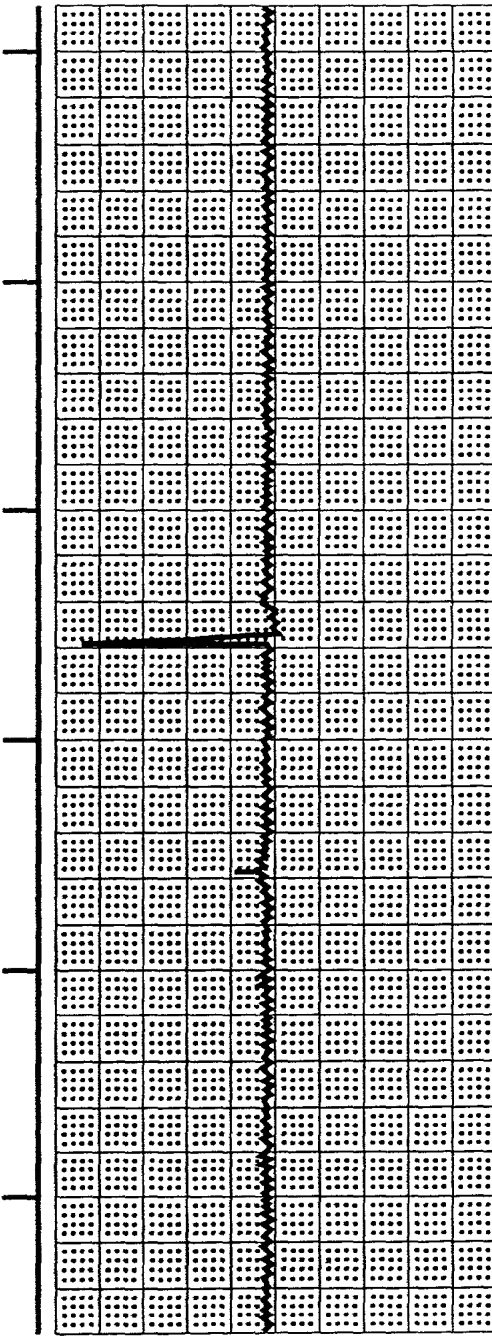


FIG. 24A

ON #P-P#DC <18:34:12 #11 NOV 97 #SPD: 25MM/M (2.400 SEC/MM)

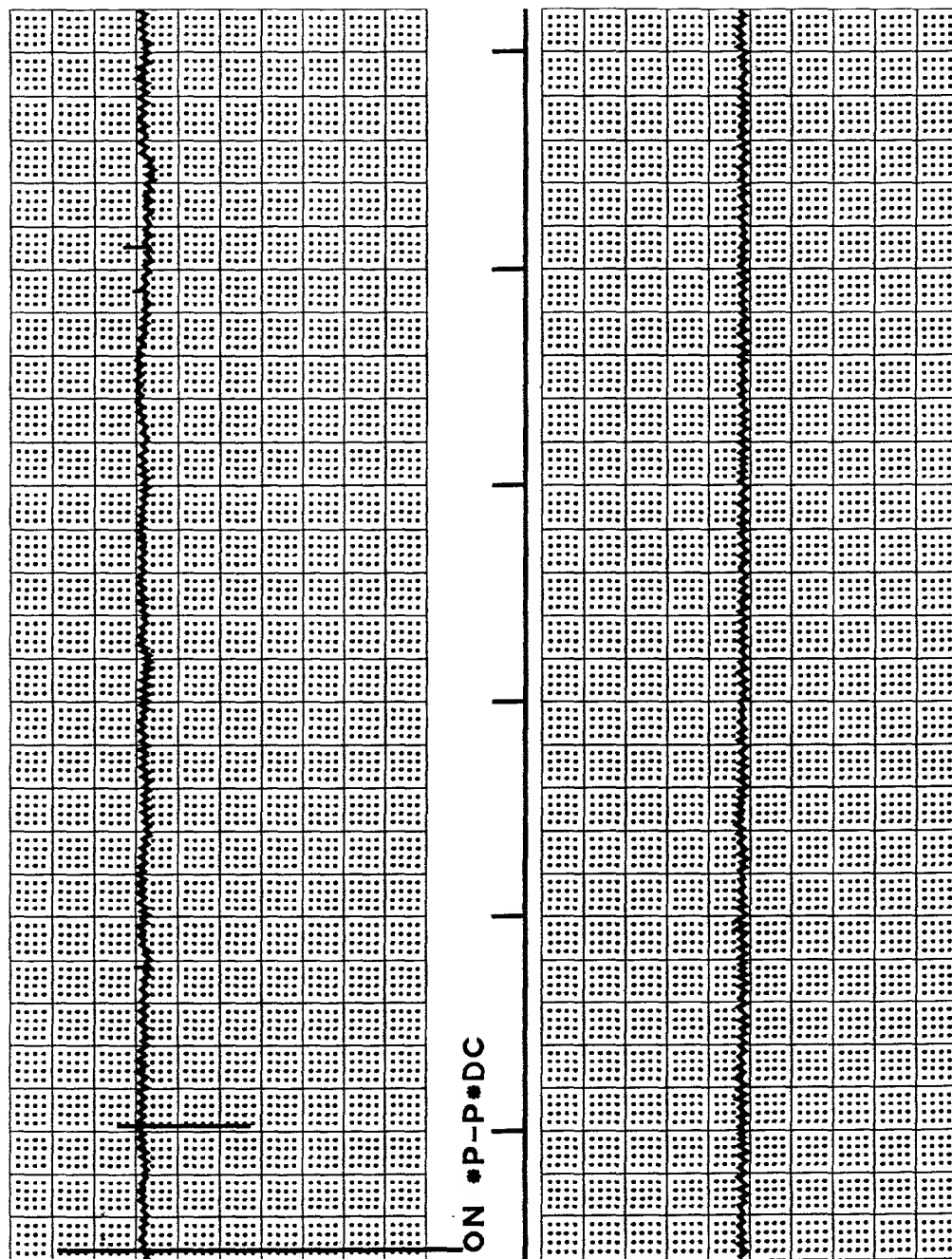
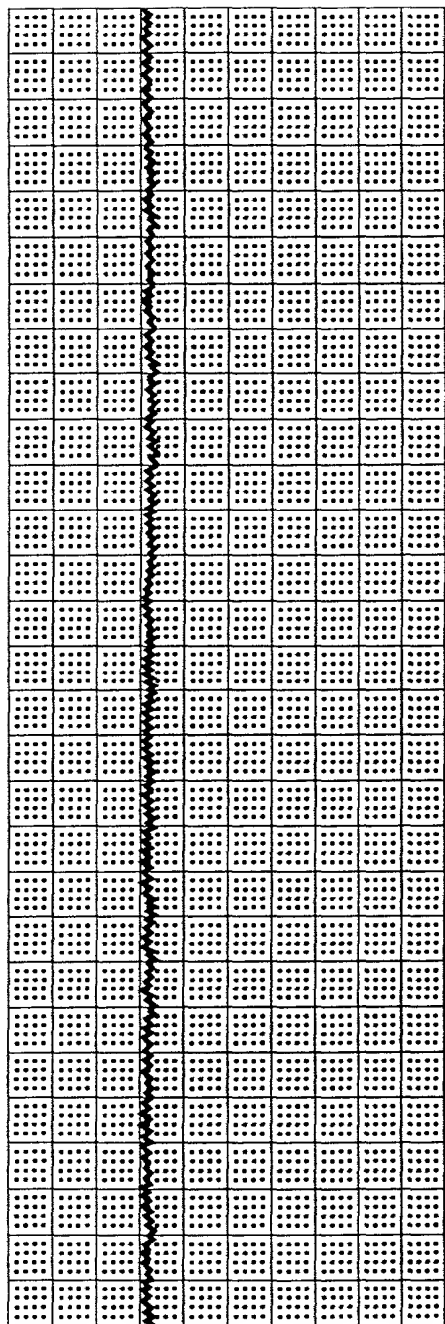


FIG. 24B

FORERO TESTS

CH1 * 2mV/div*ZS OFF*FILTER ON *P-P*DC <18:42:52 *11 NOV



CH2 * 10mV/div*ZS OFF*FILTER ON *P-P*DC

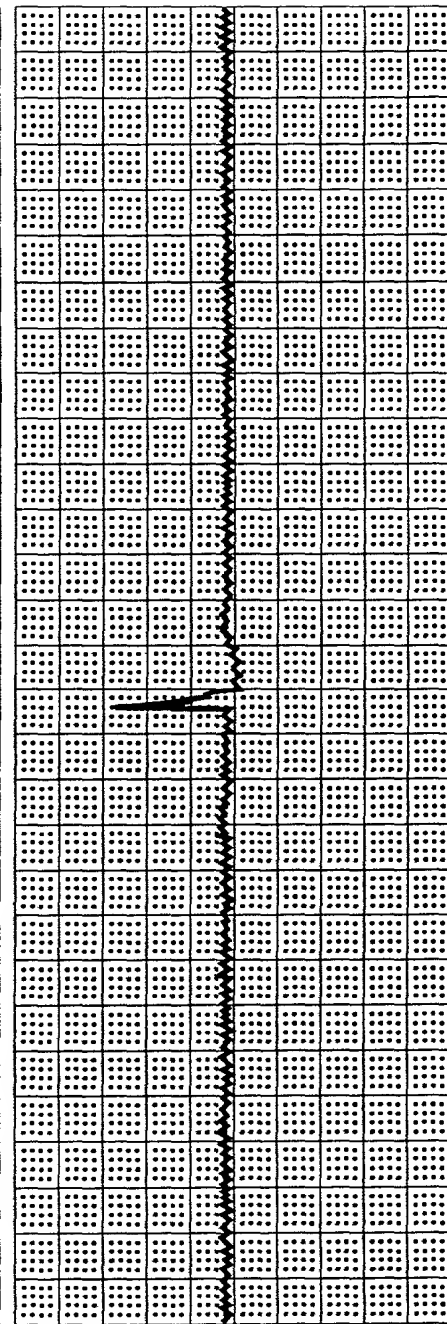
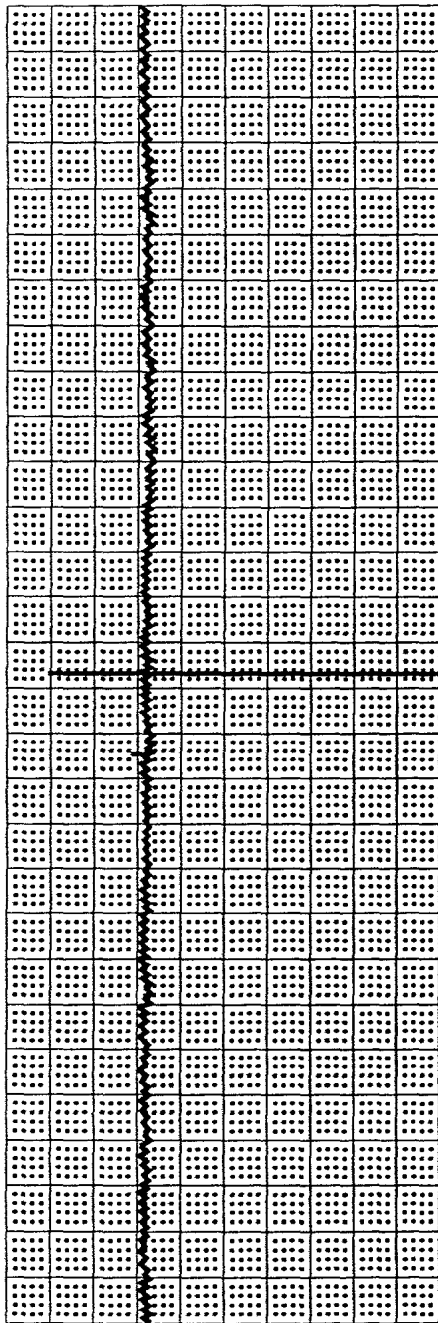


FIG. 24C

TECHNICAL

97 *SPD: 25MM/M (2.400 SEC/MM) CH1 * 2mV/div*ZS OFF*FILTER



CH2 * 10mV/div*ZS OFF*FILTER

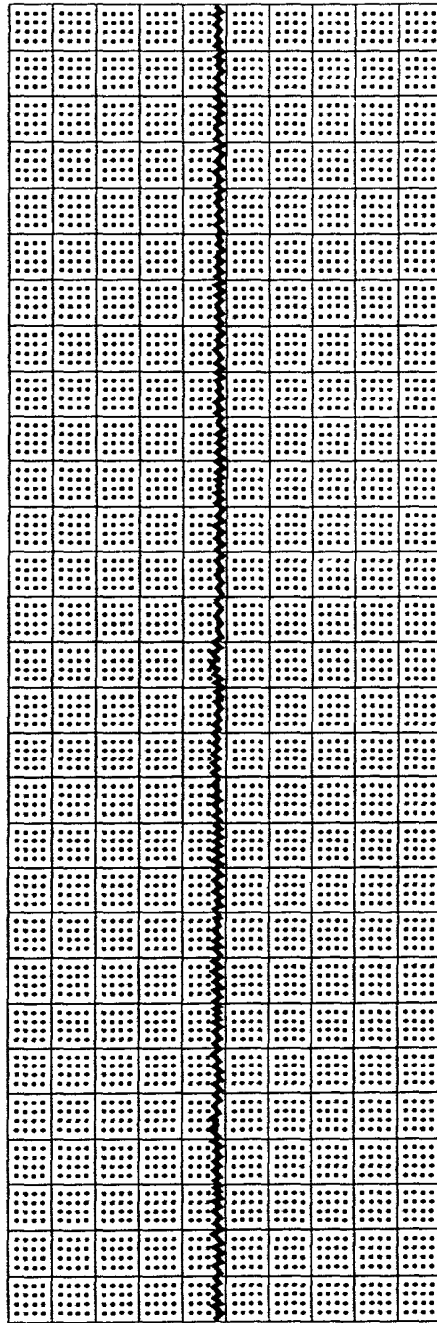
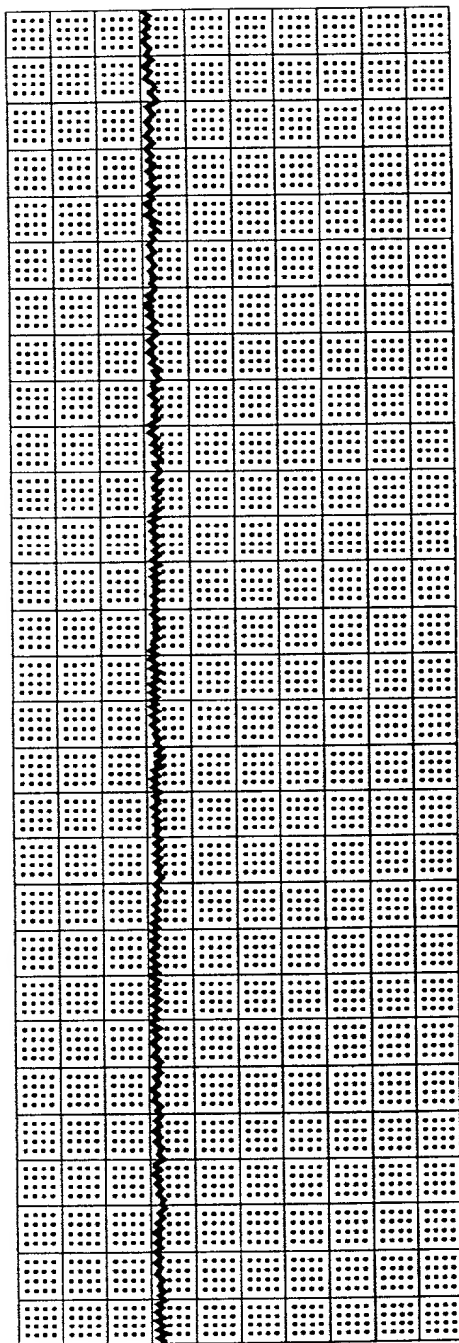


FIG. 24D

TOP SECRET

ON *P-P*DC <18:51:33 *11 NOV 97 *SPD: 25MM/M (2.400 SEC/MM)



ON *P-P*DC

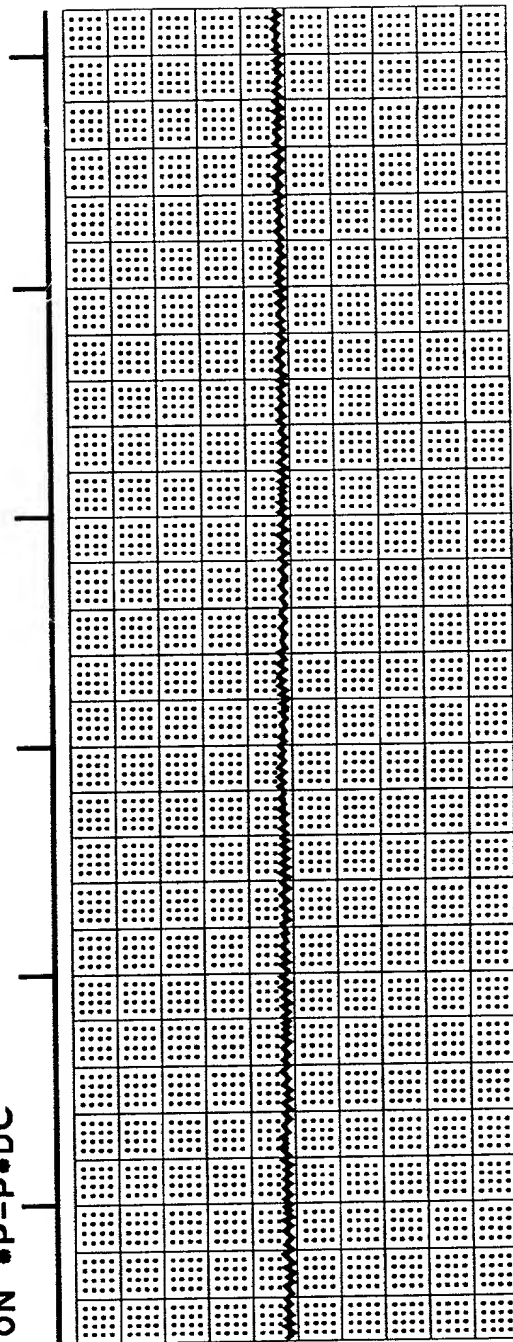
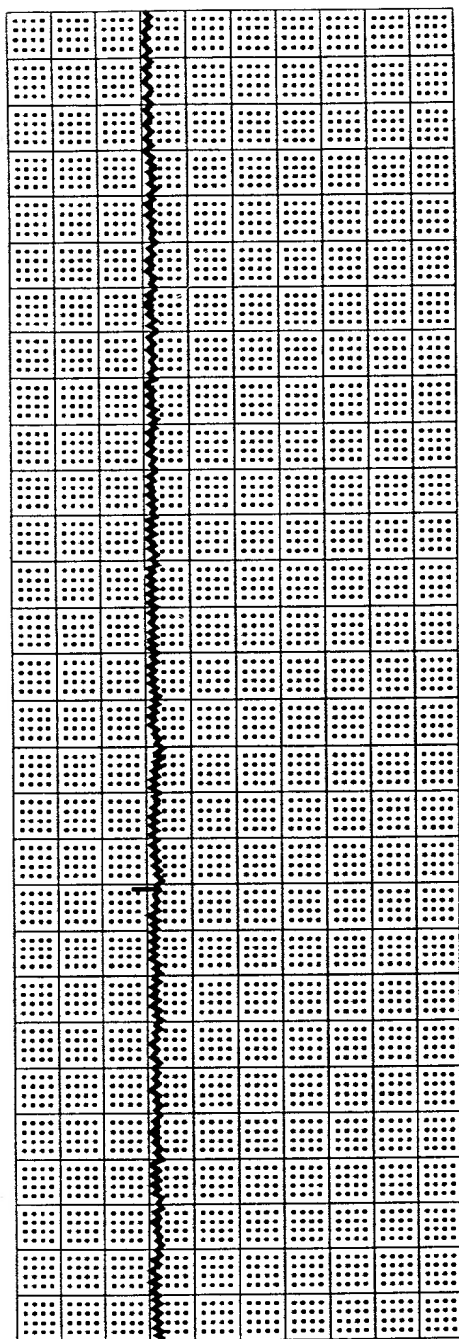


FIG. 24E

TESTED TO TEST

CH1 2mV/div*ZS OFF*FILTER ON *P-P*DC <19:00:14 *11 NOV



CH2 10mV/div*ZS OFF*FILTER ON *P-P*DC

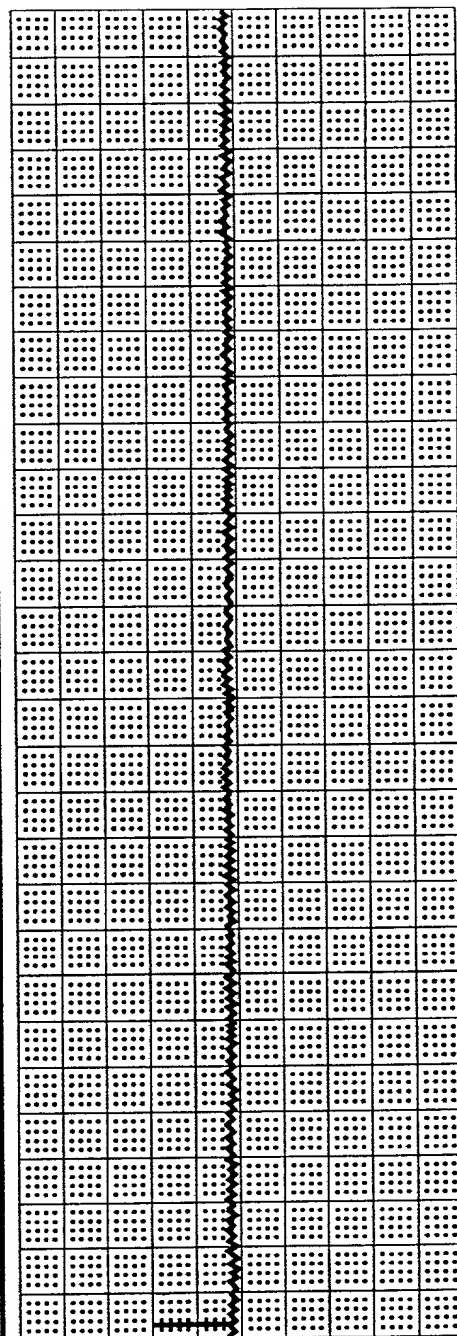
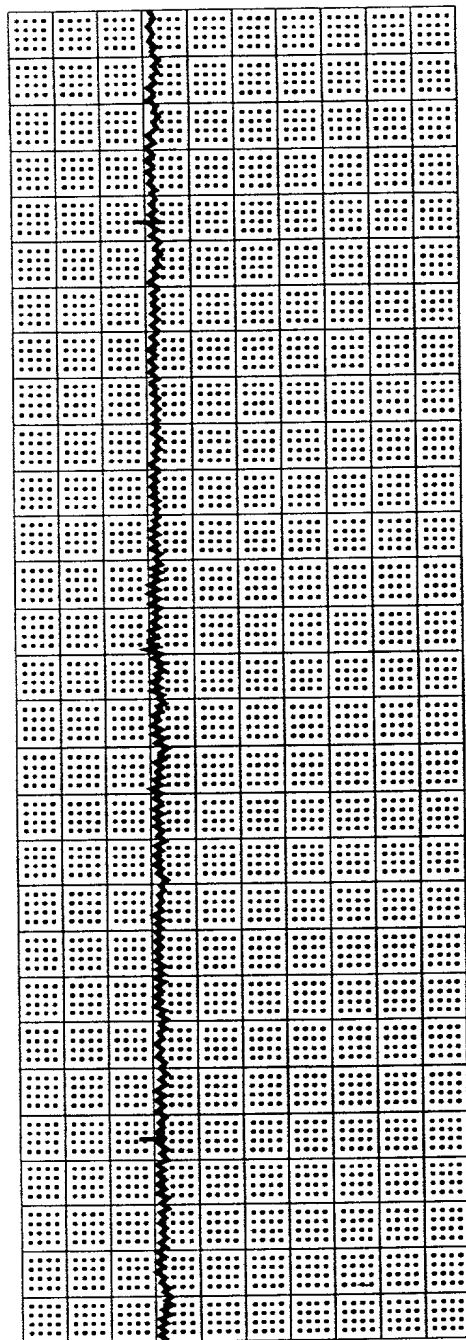


FIG. 24F

TO8280" T6ET4560

97 *SPD: 25 MM/M (2.400 SEC/MM) CH1 * 2mV/div*ZS OFF*FILTER



CH2 * 10mV/div*ZS OFF*FILTER

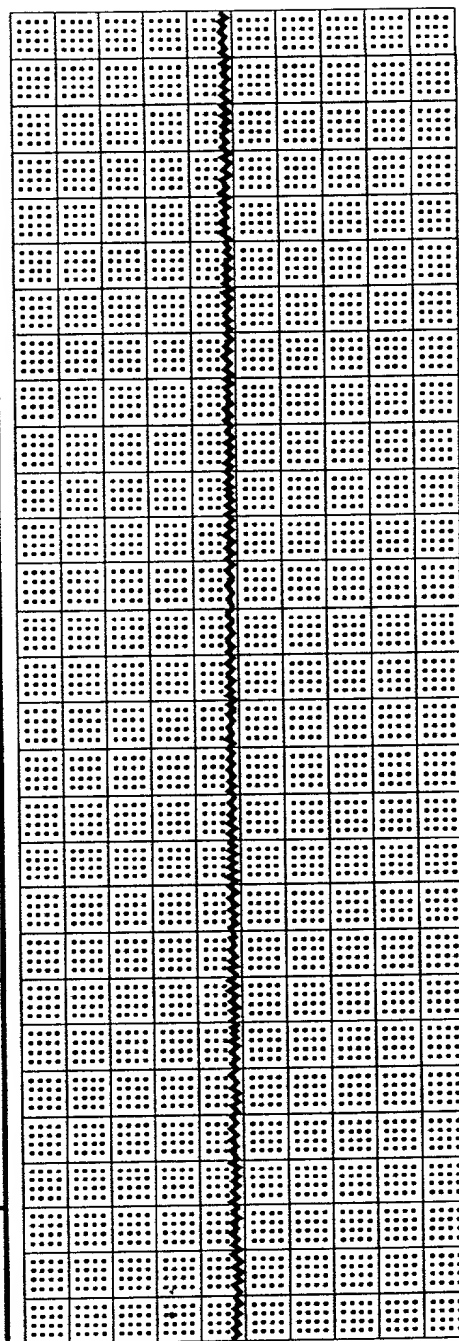
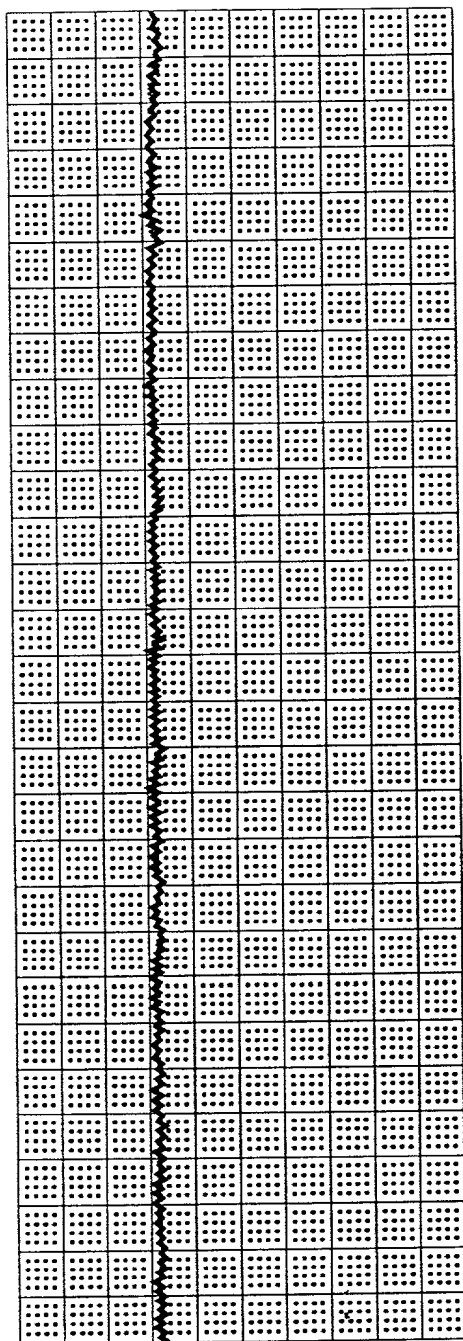


FIG. 24G

TOP SECRET

ON *P-P*DC <19:08:54 *11 NOV 97 *SPD: 25 MM/M (2.400 SEC/MM)



ON *P-P*DC

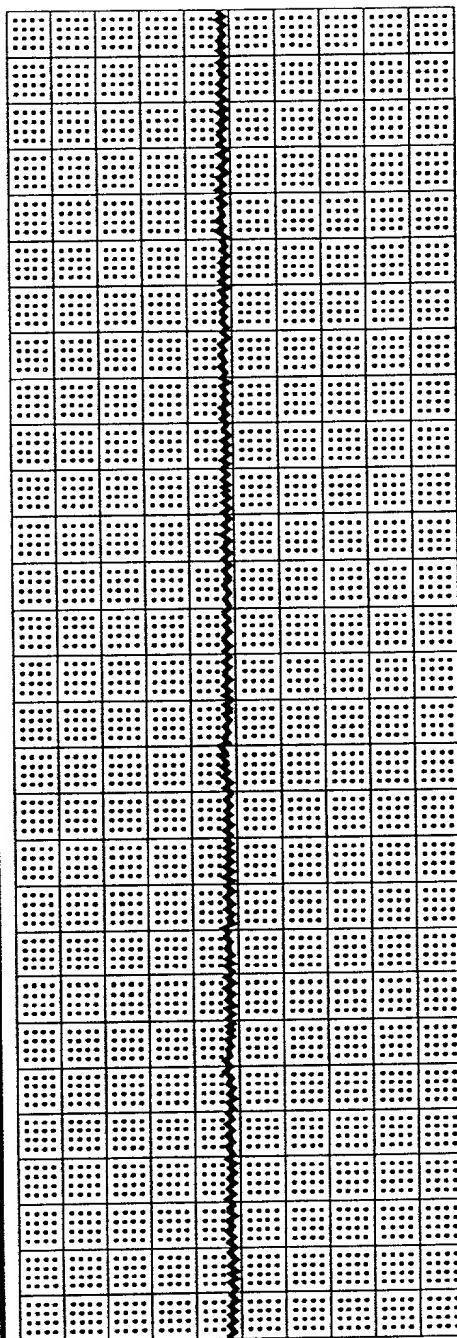
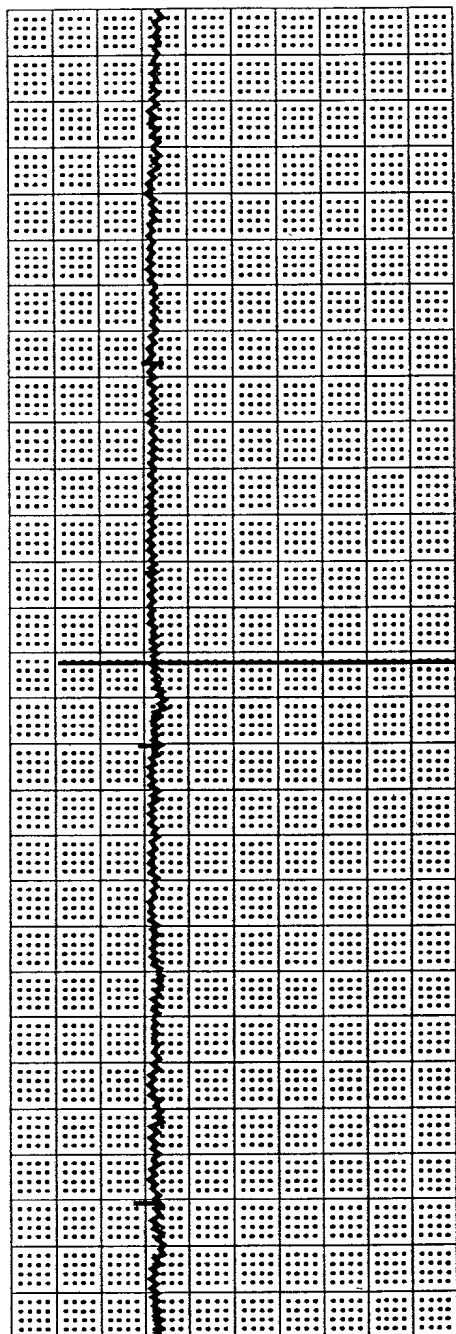


FIG. 24H

TD2280" T6EF4650

CH1 * 2mV/div*ZS OFF*FILTER ON *P-P*DC <19:17:35 *11 NOV



CH2 * 10mV/div*ZS OFF*FILTER ON *P-P*DC

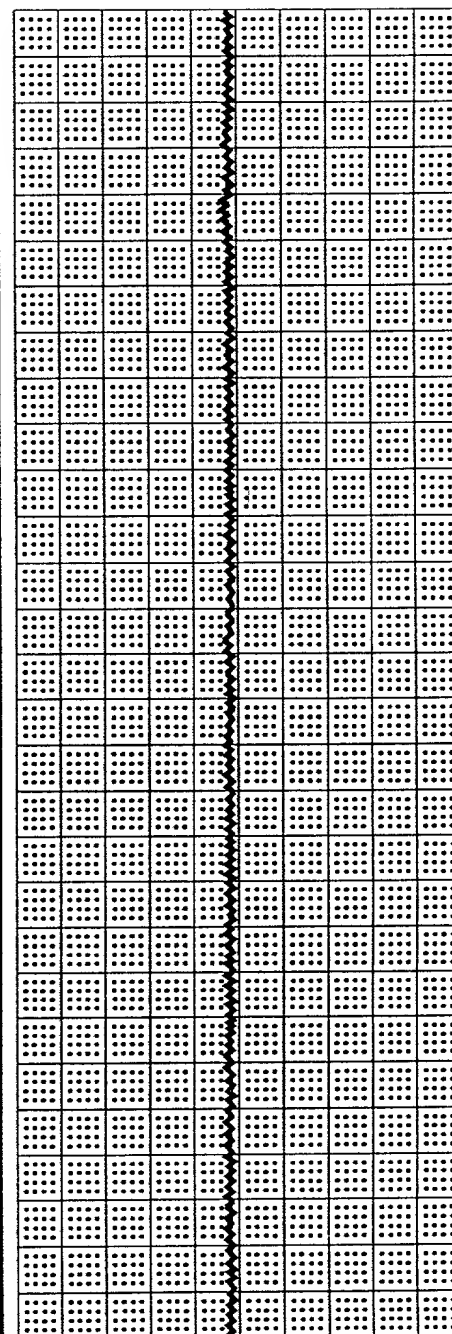
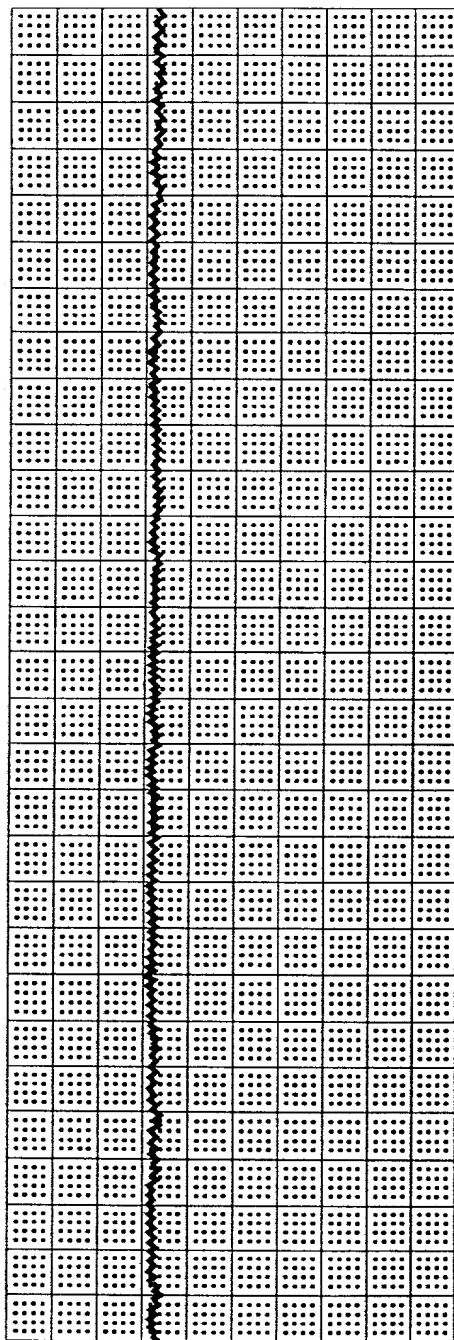


FIG. 24I

TECHNICAL

97 *SPD: 25 MM/M (2.400 SEC/MM) CH1 * 2mV/div*ZS OFF*FILTER



CH2 * 10mV/div*ZS OFF*FILTER

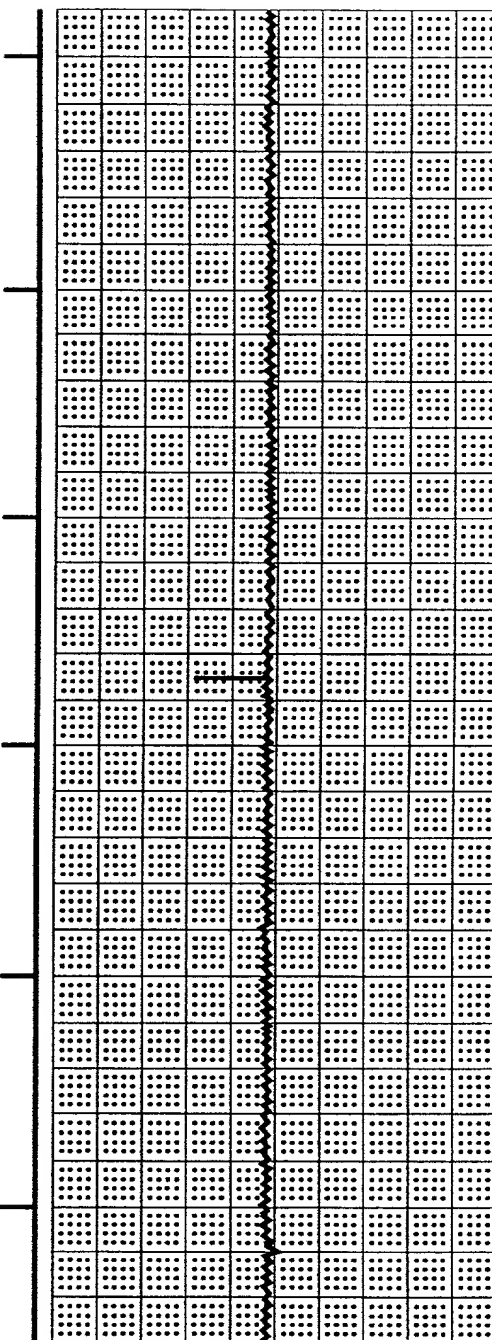
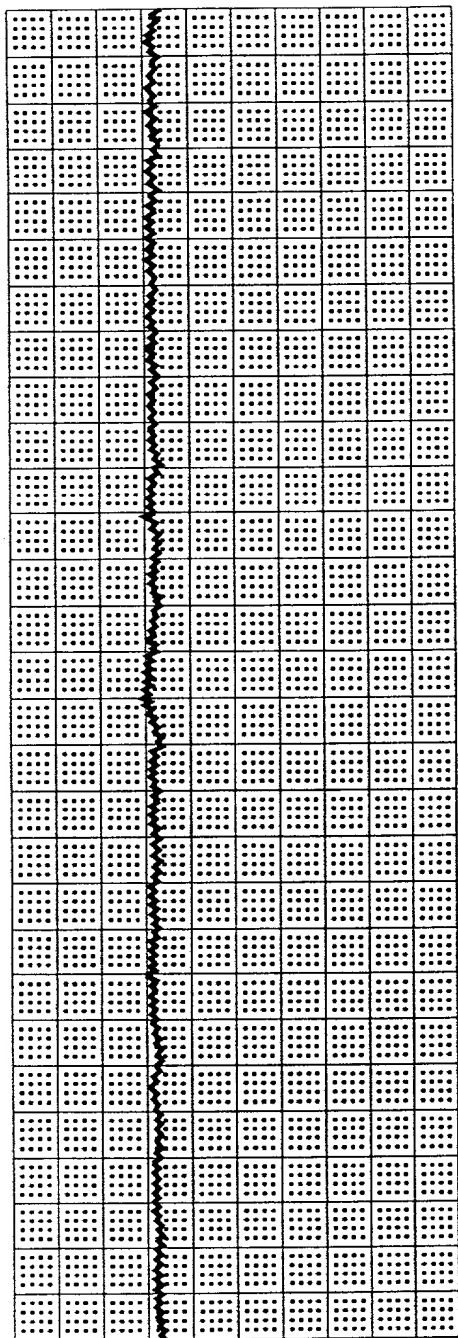


FIG. 24J

T08280" F5ET4560

ON *P-P*DC <19:26:16 *11 NOV 97 *SPD: 25MM/M (2.400 SEC/MM)



ON *P-P*DC

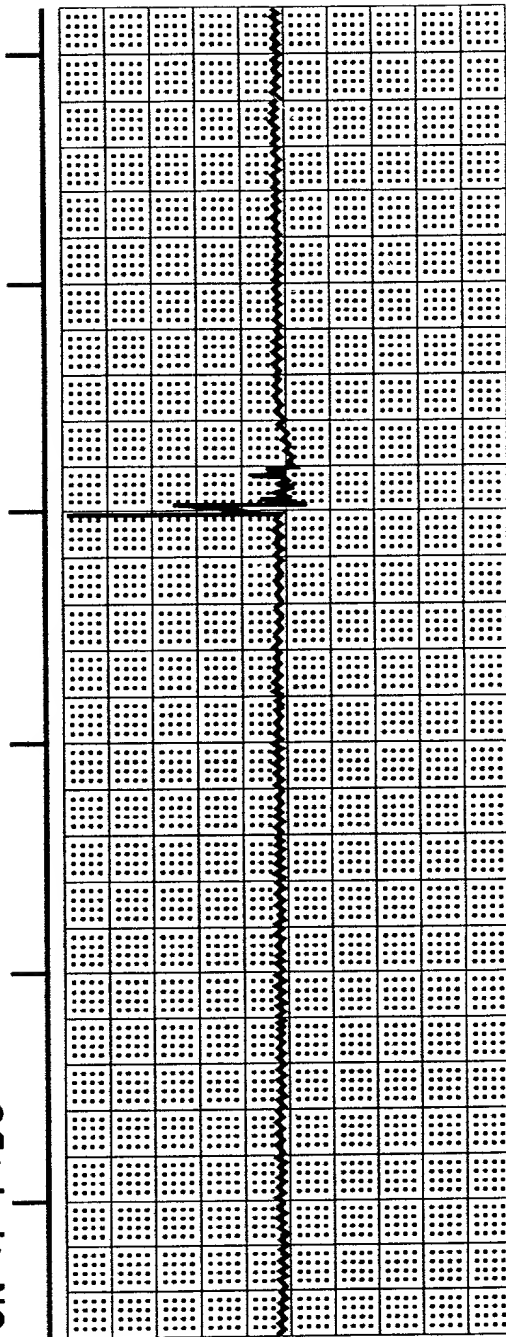
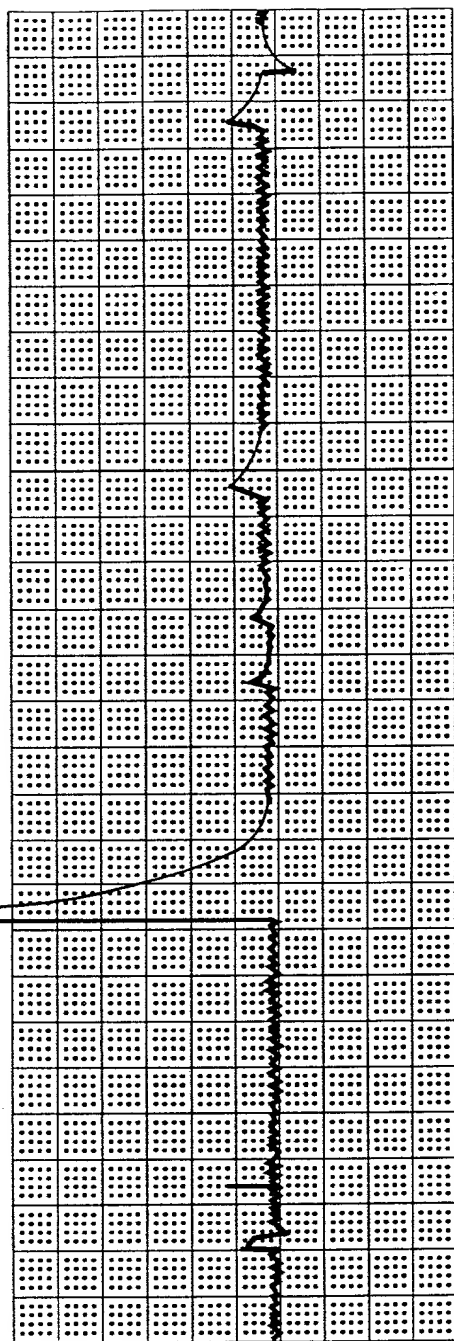


FIG. 24K

TE320" T5ET4650

JAN<17:18:59 *21 JAN 98 *spd: 10MM/M (6.000 SEC/MM) CH1 *50Mv/



CH2 *20Mv/

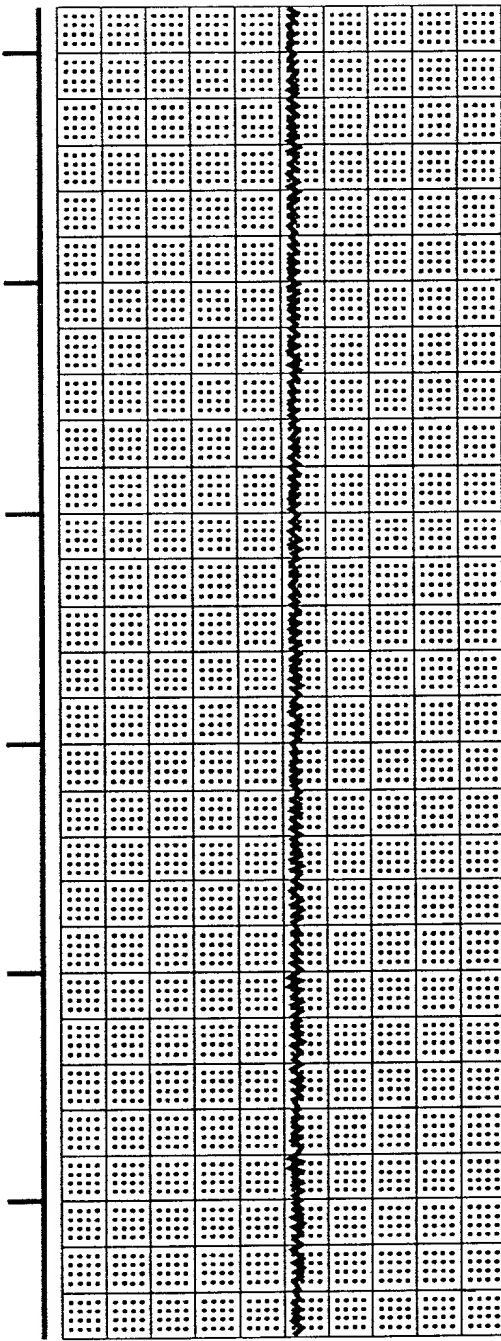
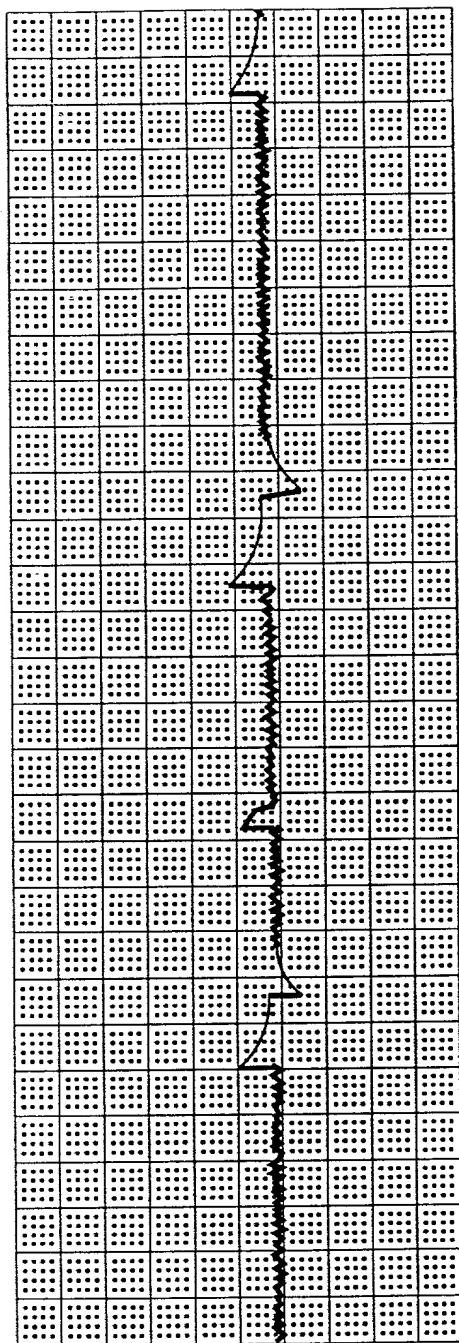


FIG. 25A

T08280" T6ET4660

div#ZSOFF#FIL<17:36:20*21JAN98*SPD:10 MM/M (6.000 SEC/MM)<17:47



div#ZS OFF#FIL

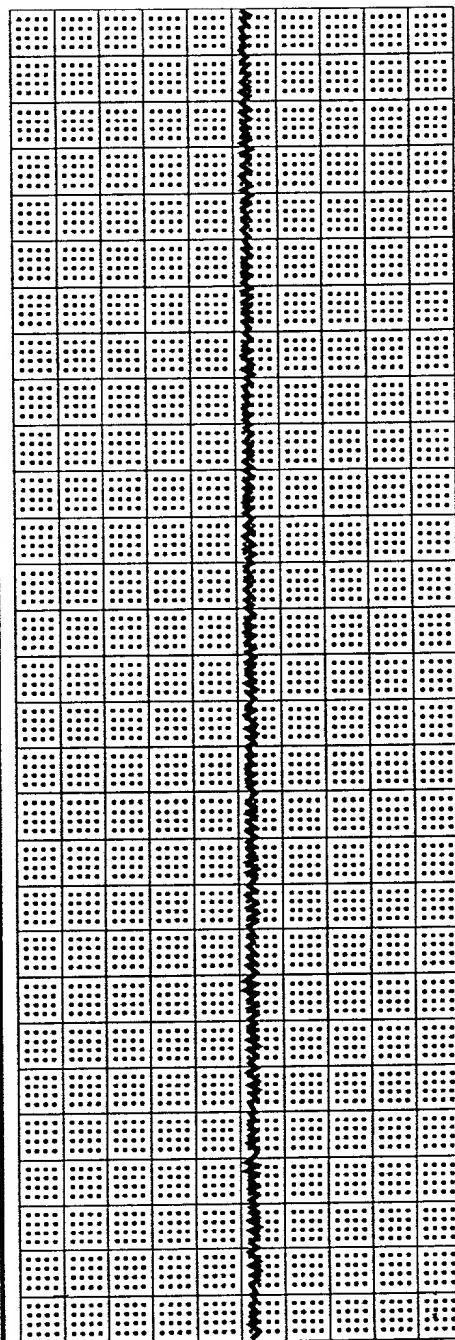


FIG. 25B

T02280" T6ET+660

05 *21 JAN 98 *SPD10 MM/M (6.000 SEC/MM)CH1*50mV/div*ZS OFF

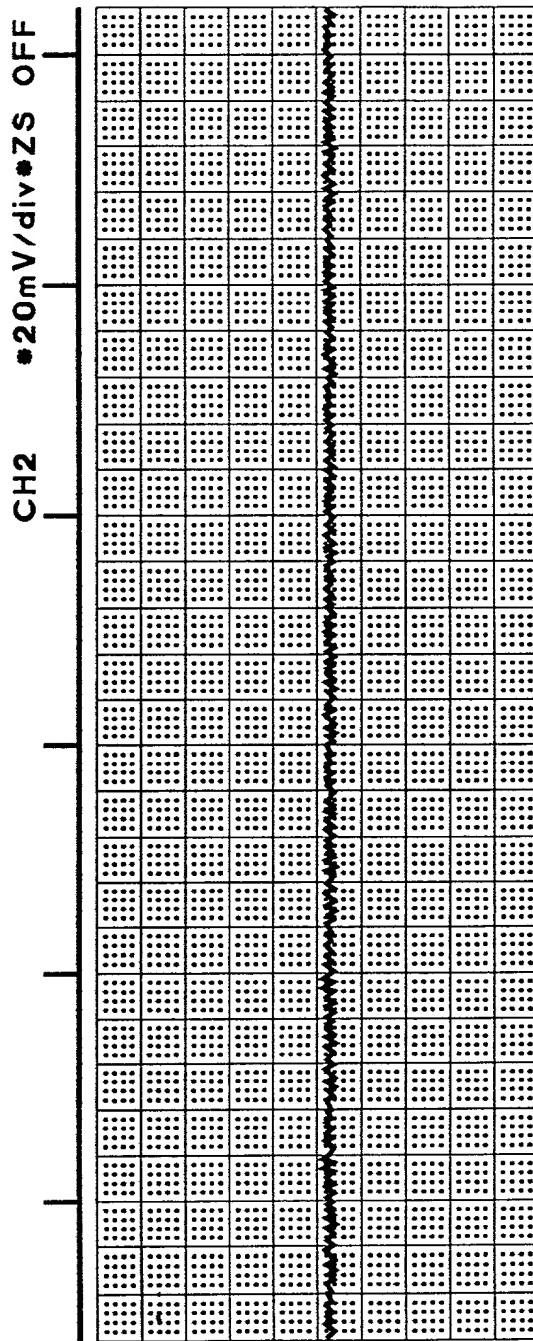
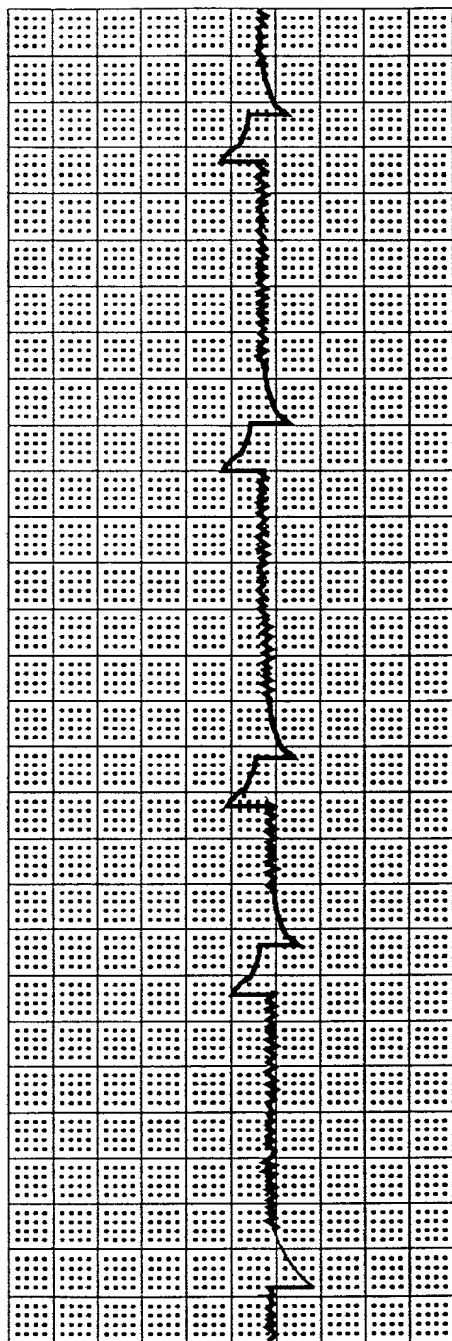
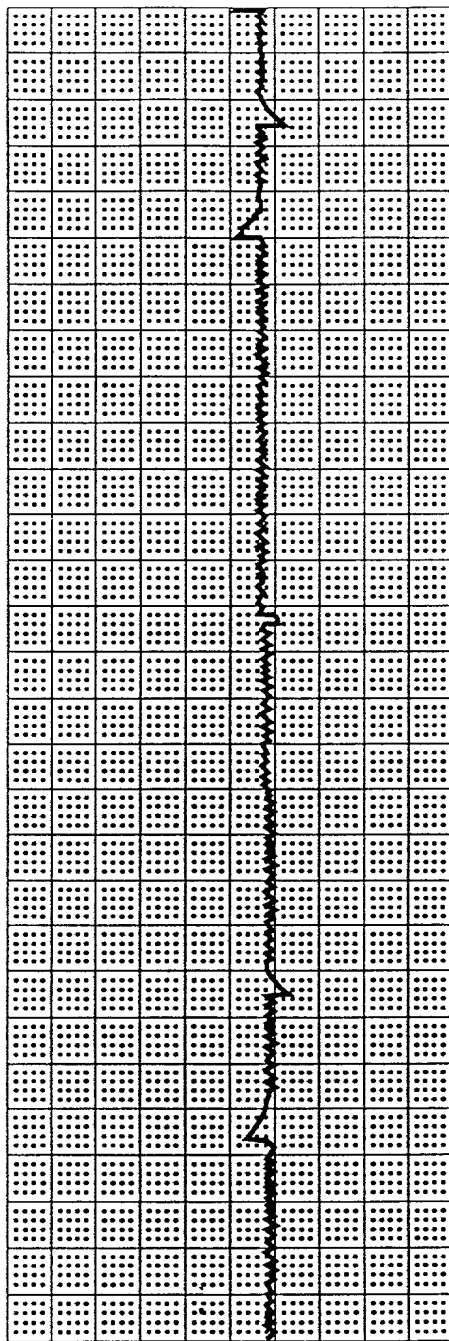


FIG. 25C

TO8280" T6ET4650

*FLTER OFF*P-P*DC <18:08:47 <18:11:31 *21 JA<18:16:16 *21 JAN



*FLTER OFF*P-P*DC

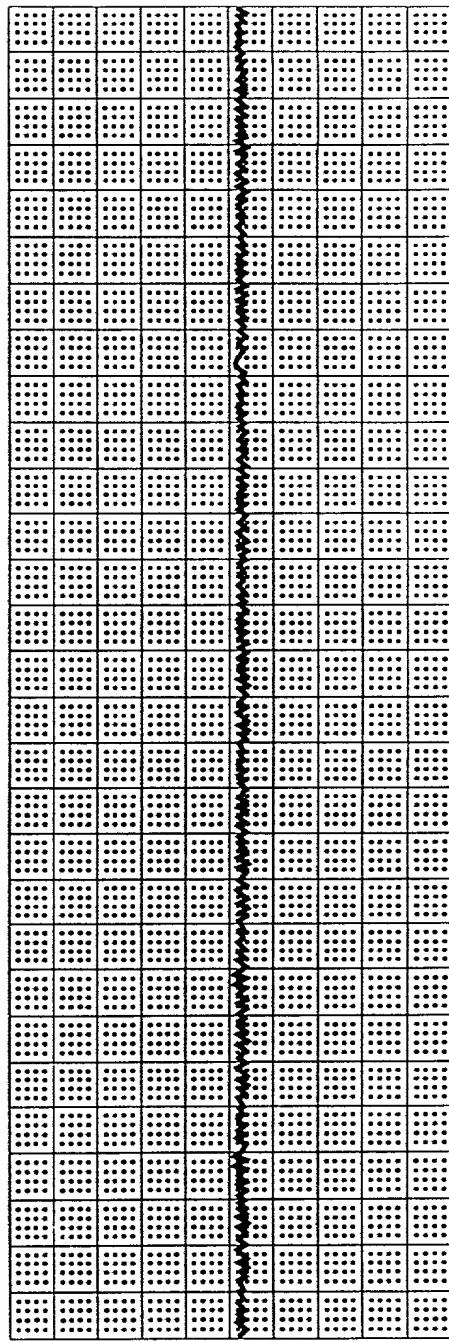
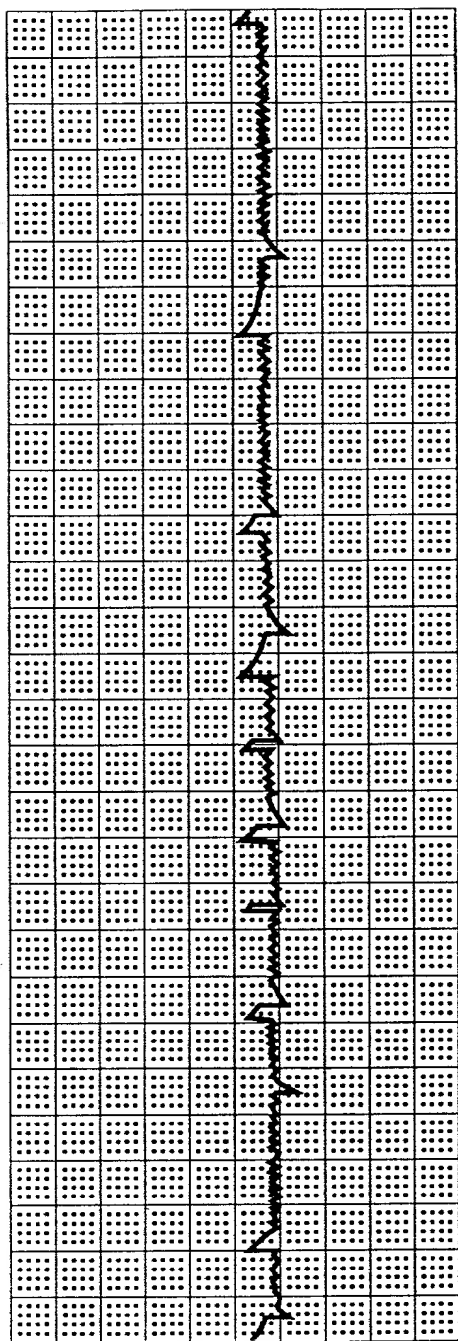


FIG. 25D

T03230" T6E74650

98 *spd: 10MM/M (6.000 SEC/MM) CH1*50mV/div*ZS OFF*FILTER OFF



CH2 *20mV/div*ZS OFF*FILTER OFF

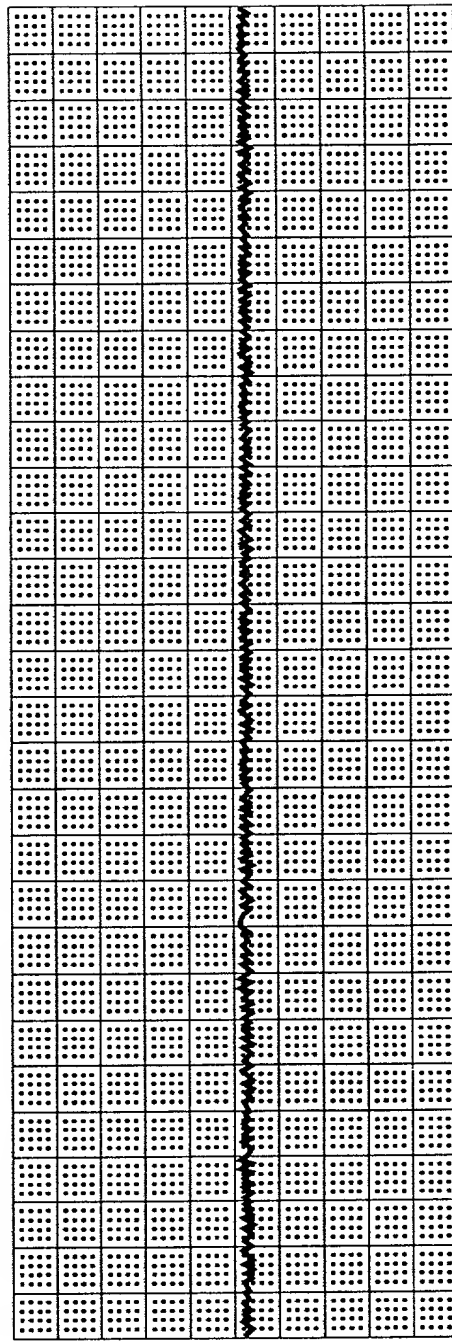
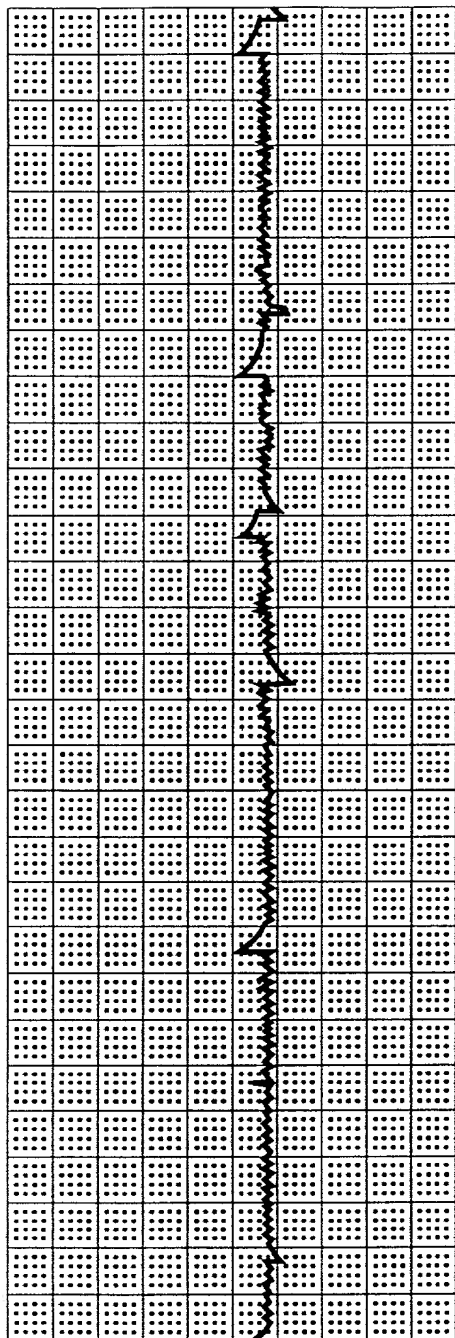


FIG. 25E

T0330" T6E T4650

P-P*DC <18:37:58 *21 JAN 98 *SPD: 10MM/M (6.000 SEC/MM) CH1



P-P*DC CH2

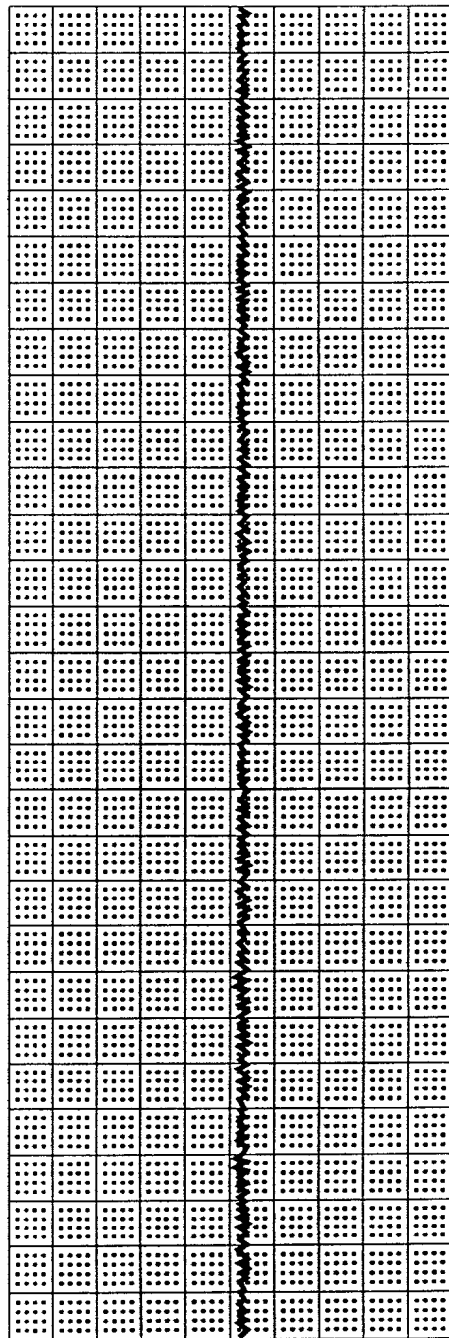
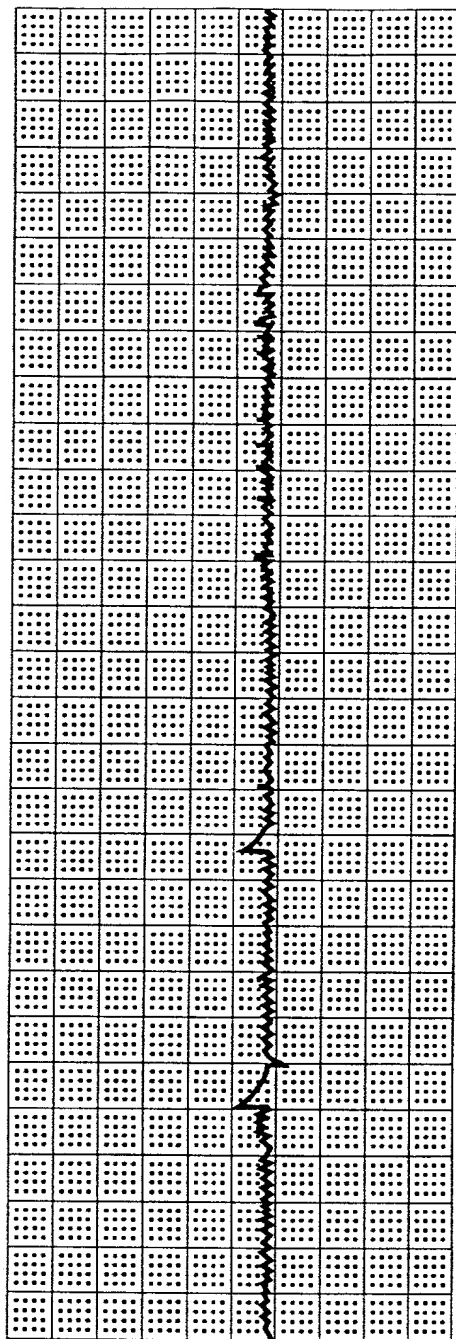


FIG. 25F

TOP280" TSETH560

*50mV/div*ZS OFF*FILTER OFF*P-P*DC <18:59:39 *21 JAN 98 *



*20mV/div*ZS OFF*FILTER OFF*P-P*DC

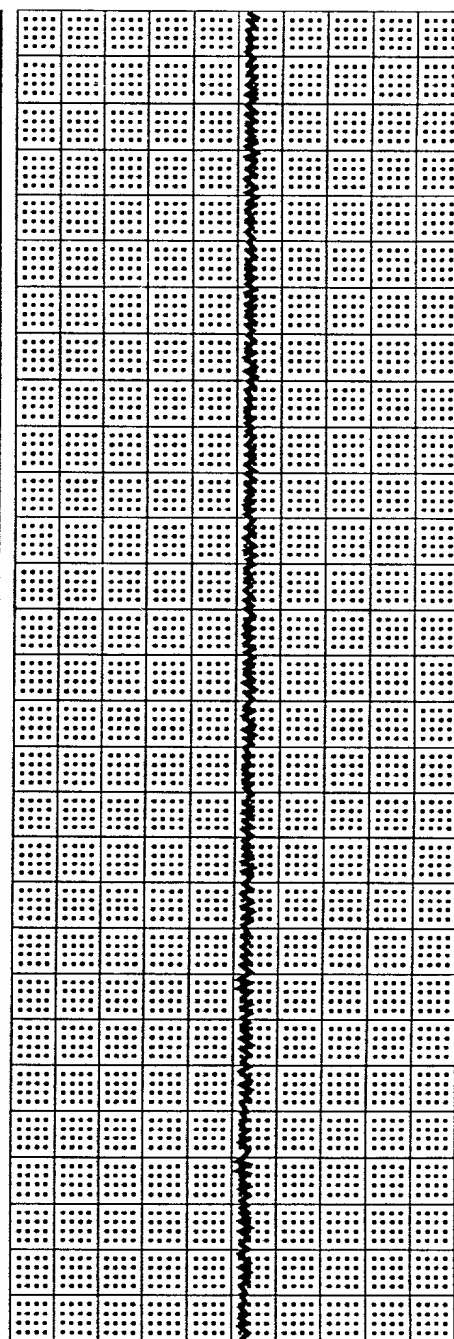


FIG. 25G

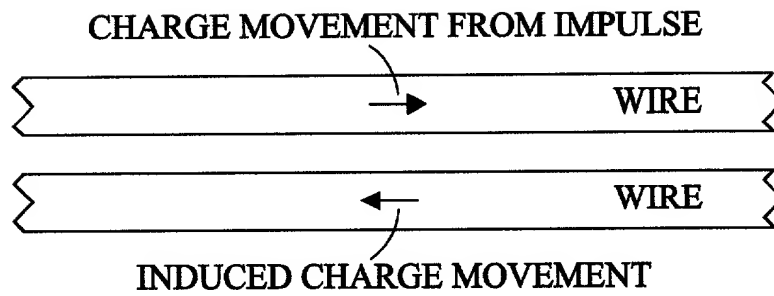


FIG. 26

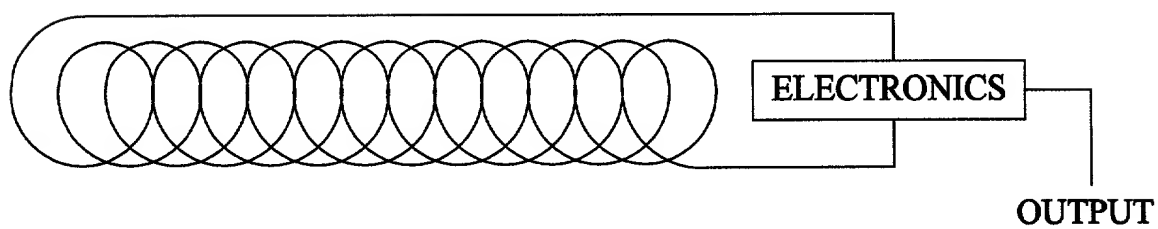


FIG. 27

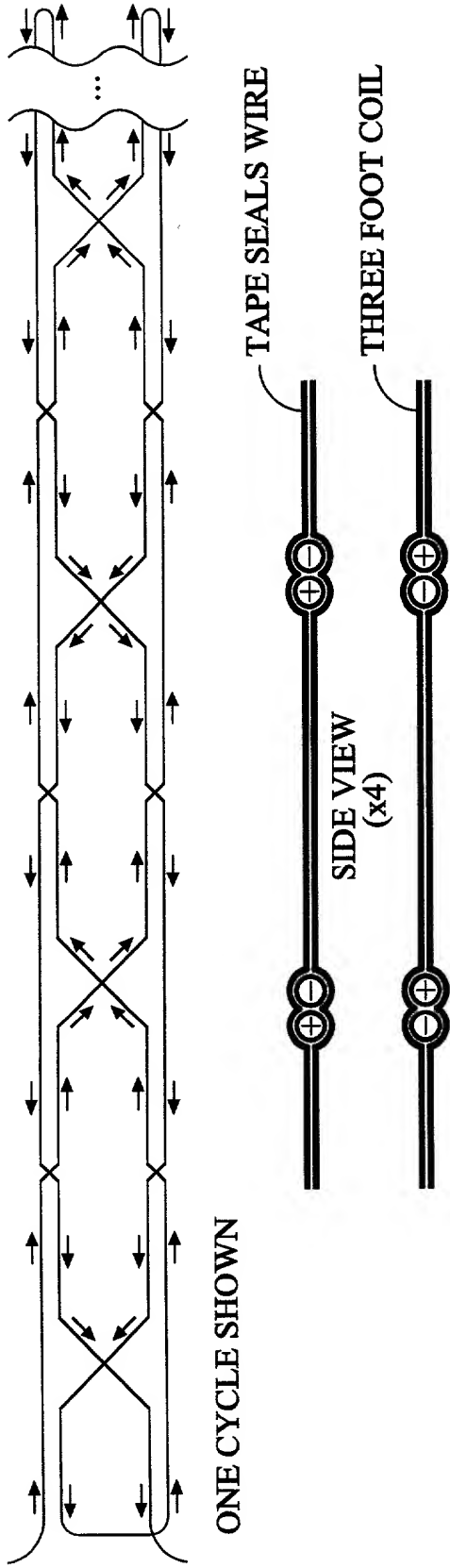


FIG. 28

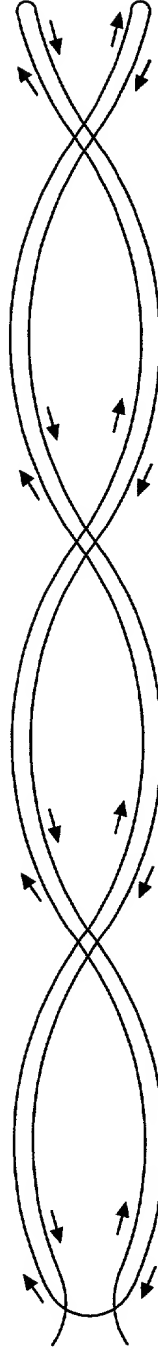


FIG. 29

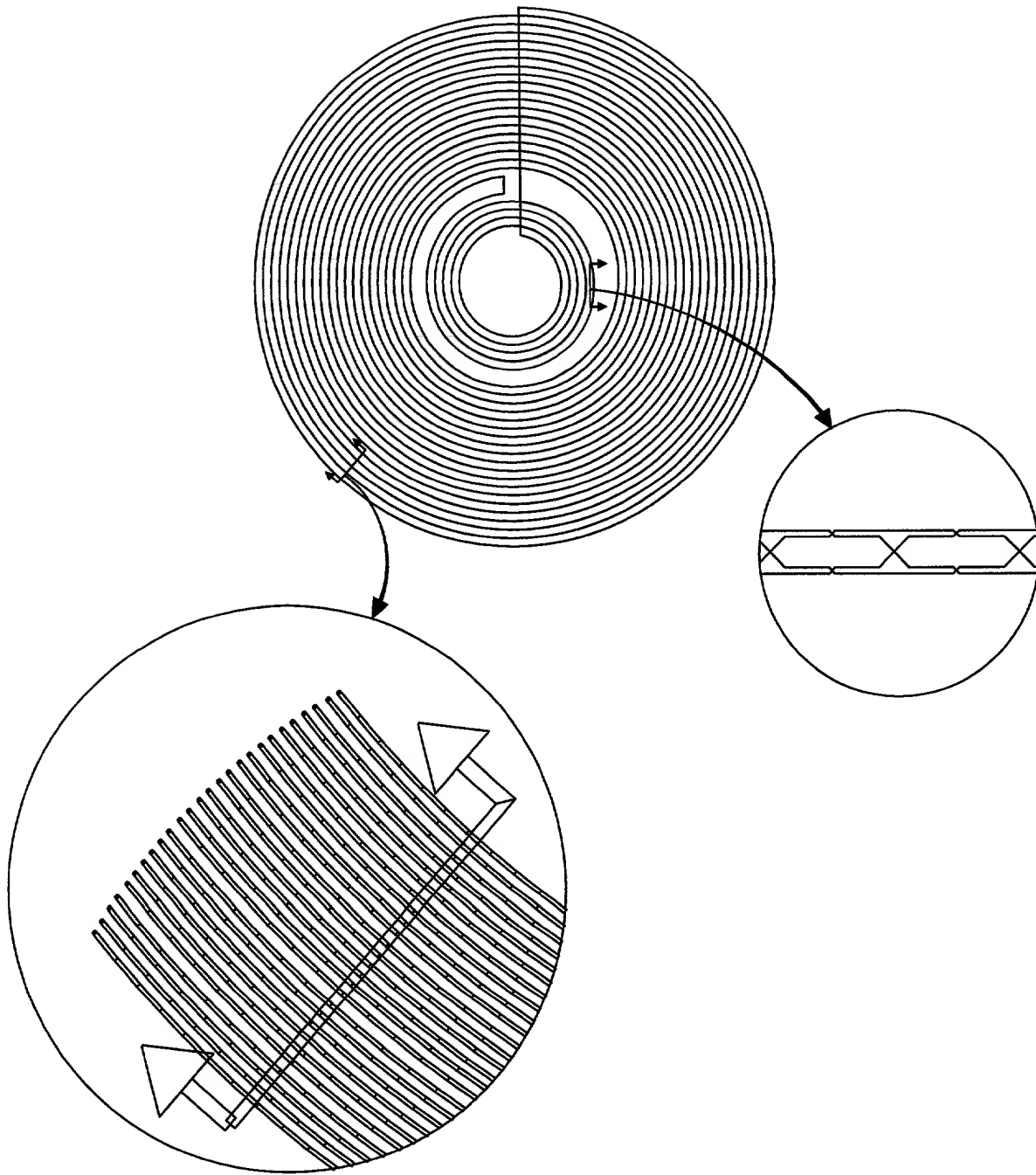


FIG. 30

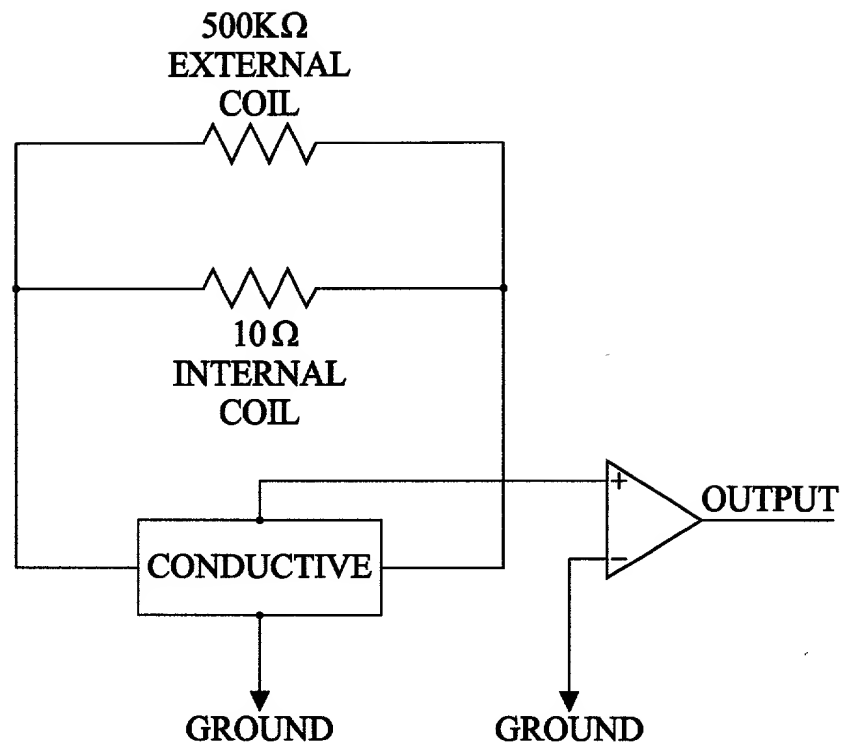


FIG. 31

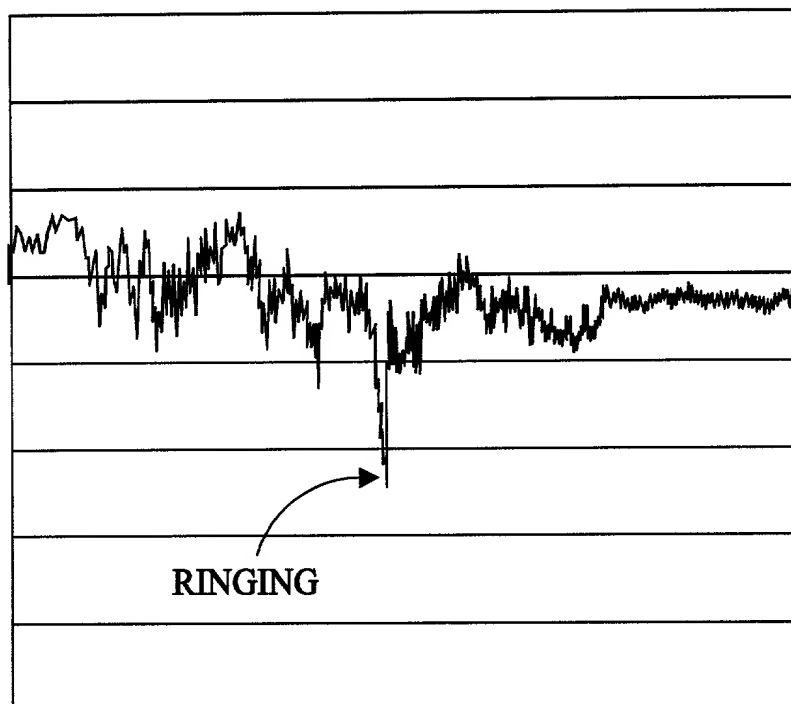


FIG. 32

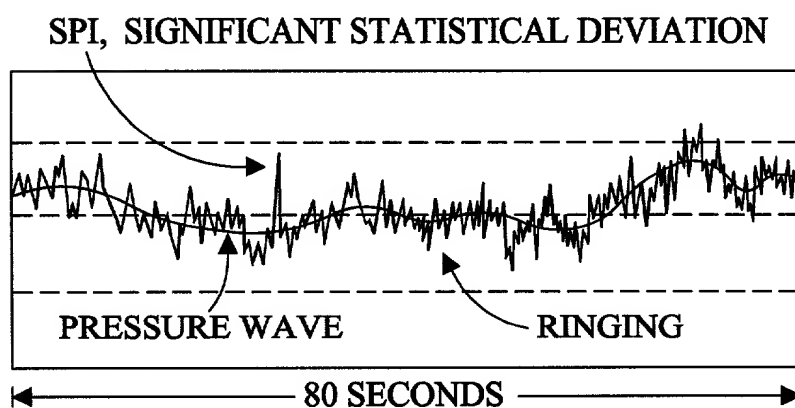
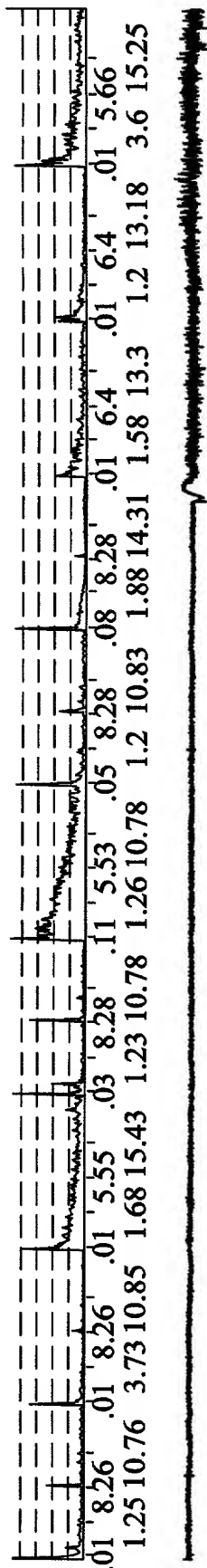
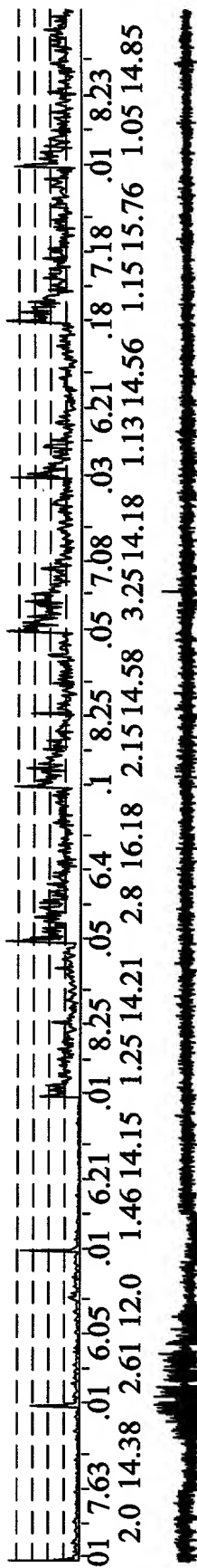


FIG. 33



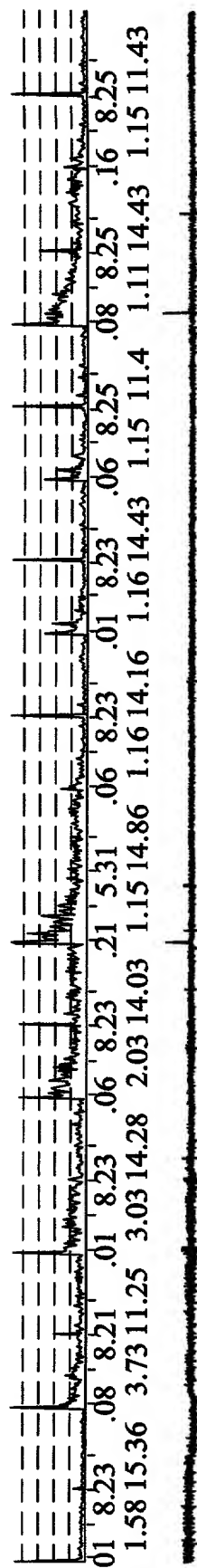
All numbers are in units of Hertz.

FIG. 34A



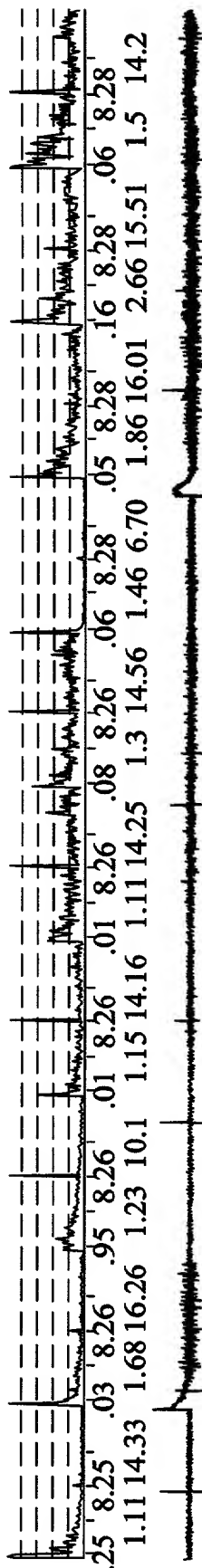
All numbers are in units of Hertz.

FIG. 34B



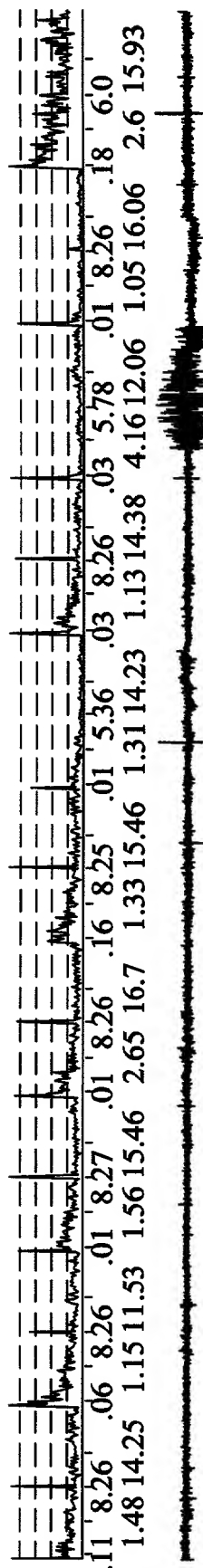
All numbers are in units of Hertz.

FIG 34C



All numbers are in units of Hertz.

FIG. 34D



All numbers are in units of Hertz.

FIG 34E

The Earth as a Homopolar generator

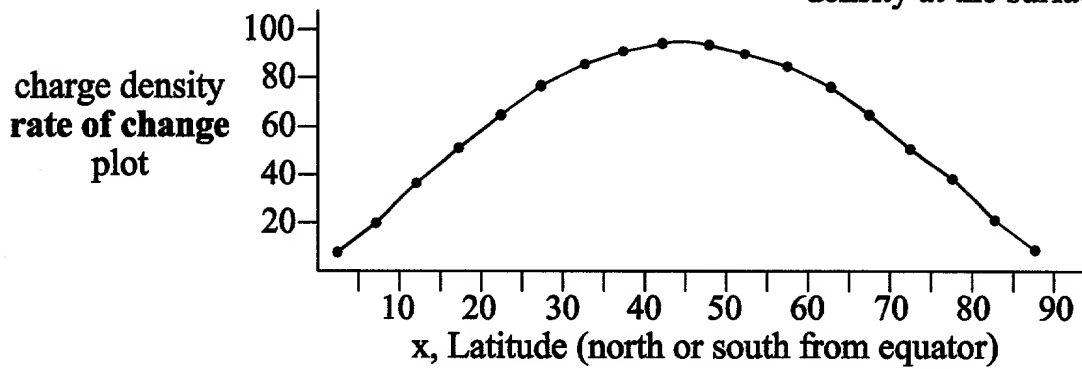
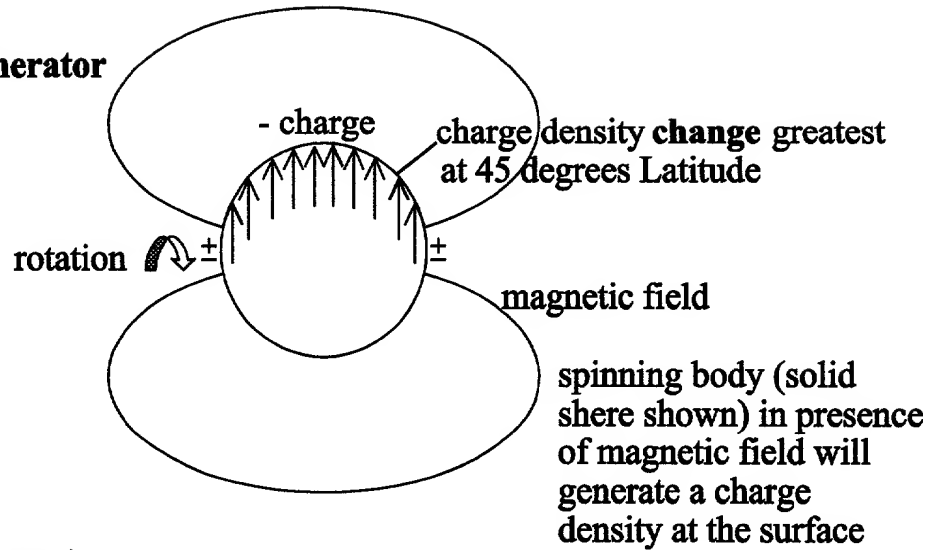


FIG. 35

$$\text{freq} = \sin(x)^y \times 14.998$$

where x = latitude degrees,

freq = ranging frequency and

y follows graph defined in table

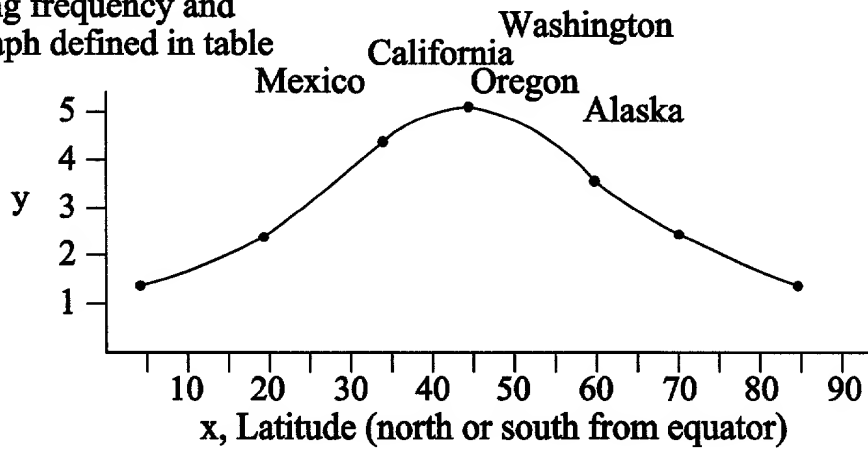


FIG. 36

Injecting impulse slope affected by Latitude frequency (ring frequency of mass at Latitude), depth, and nature of impulse.

Reflection slopes - affected by lens5, lens6 (distance away), initial pulse duration (slope), and characteristics of transmission network above/near impulse.

Body or decay of pulse determined by depth.

FIG. 37

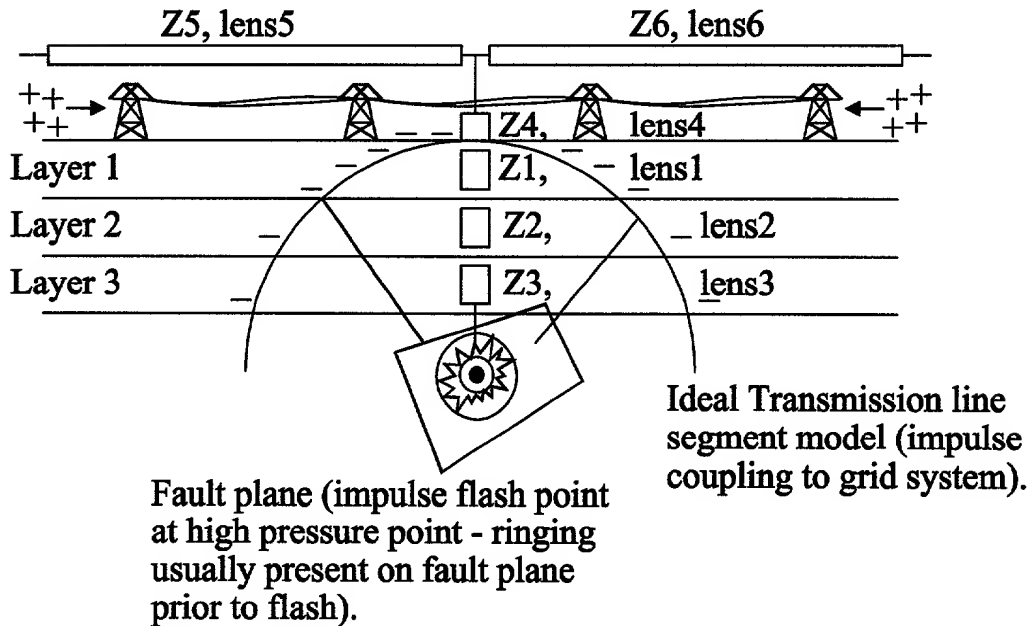


FIG. 38

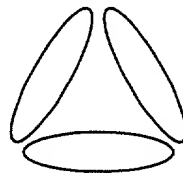


FIG. 39

TESTED 15 FEB 1950

06 *SPD: 25 MM/M (2.400 SEC/MM) CH1 * 2mV/div*ZS OFF*FILTER ON



Repeatability - 2 Separate
Units respond the same.



FIG 40

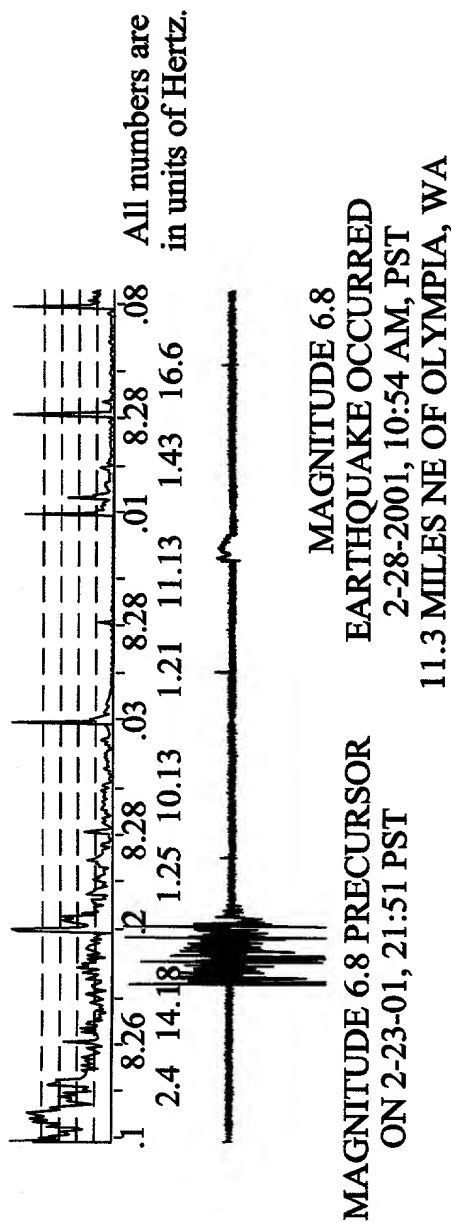


FIG. 41

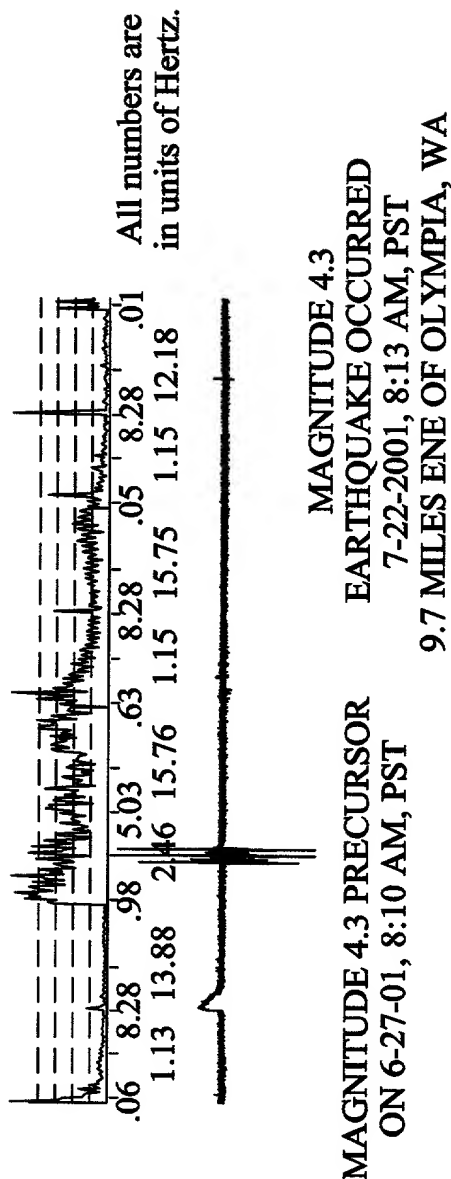


FIG. 42

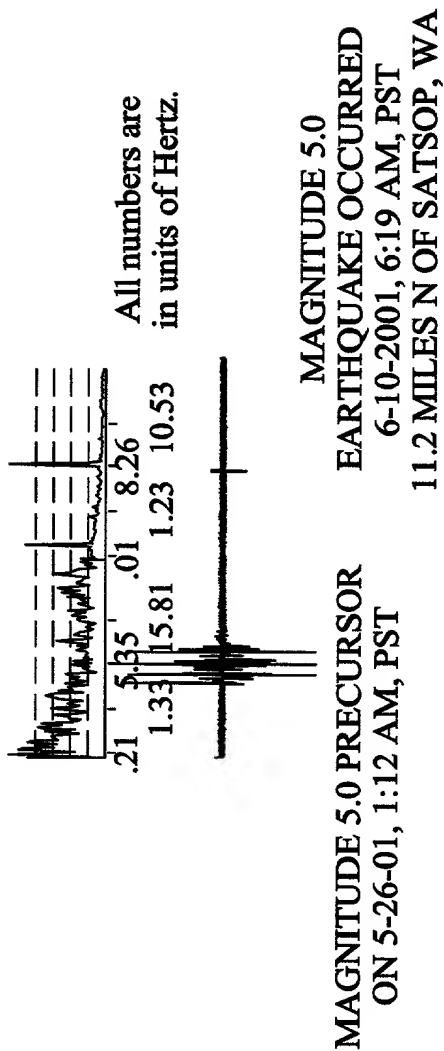


FIG. 43